



**ST. ANDREWS CATALOG 1967-68**



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ST. ANDREWS PRESBYTERIAN COLLEGE  
LAURINBURG, NORTH CAROLINA

## GLOSSARY

### Accreditation

Recognition granted to schools and colleges upon examination by groups of visiting professionals based upon objective standards developed by interested professional agencies. An accredited college has measured up to the standards of quality imposed by professional groups and accrediting agencies.

### College

An institution of higher learning, especially one providing a general or liberal arts education rather than technical or professional training.

### Curriculum

The body of courses taught in a college or a division of the college.

### Interdisciplinary

Combining or involving two or more academic disciplines or fields of study.

### Liberal Arts

The course of instruction at a college granting an academic degree, comprising the arts, natural sciences, social sciences, and humanities.

### Major

The selected advanced courses which constitute the student's major field of study, i.e., English or Botany.

### Matriculation

Enrollment in the college. (This includes payment of fees.)

### Prerequisite

A requirement beforehand. Usually a course, an examination, or some other condition which must be met successfully before another course may be taken.

### Programs of Study

Groupings of courses designed to qualify a student to receive a specific degree or reach a designated academic goal.

### Science

A branch of knowledge or study dealing with a body of facts or truths systematically arranged and showing the operation of general laws.

### Synod

An assembly of ecclesiastics or other church delegates called together with reference to the law of the church, for the discussion and decision of ecclesiastical affairs.

### Transcript

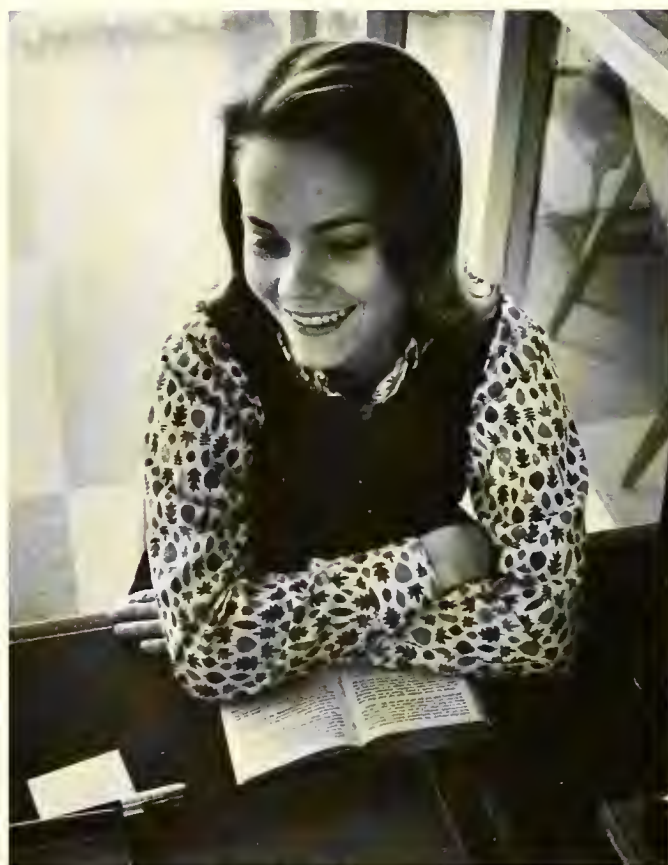
A record of courses one has completed at a given institution with a grade attributed to each course.



# NOTES

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# Directory of Correspondence

General Information

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Other scholastic matters

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Registrar

Academic Reports

Records of former students

Employment of Seniors

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Gifts, Bequests

Development Officer

Alumni Interests

Visitors to the campus are welcome. Offices of the college are open Monday through Friday from 9:00 to 5:00 and Saturday from 9:00 to 12:00. Appointments for other hours may be arranged.



# CALENDAR FOR 1967-1968

<b>August</b>	26	Saturday	Faculty Conference
	27-29	Sunday-Tuesday	Freshman Orientation
	29	Tuesday	Registration Convocation—7:00 p.m.
	30	Wednesday	Classes begin (8:00 a.m.)
<b>September</b>	30	Saturday	Parents Day
<b>October</b>	16-21	Monday-Saturday	Mid-semester testing
	25	Wednesday	Mid-semester grades due
<b>November</b>	10-11	Friday-Saturday	*Graduate Record Examination (Friday 2:00-6:00; Saturday 9:00-12:30 and 1:30-5:00)
	13-18	Monday-Saturday	Registration Conferences
	21	Tuesday	Fall Holiday begins (5:00 p.m.)
	27	Monday	Fall Holiday ends — classes resume (8:00 a.m.)
<b>December</b>	9-10	Saturday-Sunday	Campus Christmas Activities
	13	Wednesday	Reading Day
	14	Thursday	Exams begin
	20	Wednesday	Exams end (5:00 p.m.) Christmas Vacation
<b>January</b>	21	Thursday	Dormitories close (Noon)
	3	Wednesday	Fall semester grades due
	10-13	Wednesday-Saturday	Faculty Conference
	15	Monday	New students arrive for second semester Christmas Vacation ends
	16	Tuesday	Registration for second semester
<b>March</b>	17	Wednesday	Classes begin (8:00 a.m.)
	6-12	Wednesday-Tuesday	Mid-semester testing
	15	Friday	Mid-semester grades due
<b>April</b>	1-6	Monday-Saturday	Registration Conferences
	9	Tuesday	Spring Holiday begins (5:00 p.m.)
	17	Wednesday	Spring Holiday ends — classes resume (8:00 a.m.)
	19-20	Friday-Saturday	*Graduate Record Examination (Friday 2:00-6:00; Saturday 9:00-12:30 and 1:30-5:00)
<b>May</b>	26-27	Friday-Saturday	**Sophomore Testing Program
	8	Wednesday	Reading Day
	9	Thursday	Exams begin
	15	Wednesday	Exams end
	16	Thursday	Senior grades due (Noon)
	19	Sunday	Baccalaureate Sermon and Graduation Exercises
<b>June</b>	21	Tuesday	Spring semester grades due
	10	Monday	First Term Summer Session begins
<b>July</b>	13	Saturday	First Term Summer Session ends
	15	Monday	Second Term Summer Session begins
<b>August</b>	17	Saturday	Second Term Summer Session ends

\*Required of all seniors. Either of the two-day series may be selected.

\*\*Required of sophomores and all students enrolled in Christianity and Culture 202.

NOTE: The new St. Andrews calendar, known as the 4-1-4 plan, is described on the following page.



# The New College Calendar

Beginning in September, 1968, St. Andrews will adopt a new academic calendar popularly known as the 4-1-4 calendar. This divides the academic year into three terms. The first term contains four months; the second term one month; the third term four months. The fall term begins after Labor Day in September and ends with the Christmas vacation; the month of January constitutes the winter term; the spring term begins in February and ends in late May or early June.

This calendar has many advantages. Work in the first term is not interrupted several times and examinations are over before the Christmas holidays. Classes will meet four or five times a week and students will take fewer courses.

There will be four courses in the fall and spring terms and one in the winter term during which independent study, seminar work and off-campus activities will be stressed.





# AIM

In the philosophy to which it is committed St. Andrews Presbyterian College is avowedly Christian. The college is owned by the Synod of North Carolina of the Presbyterian Church in the United States. Its Trustees are elected by this Synod.

To symbolize this commitment it is planned to place the college chapel at the center of the campus; in similar fashion the Christianity and Culture program has been placed at the heart of the curriculum. In the educational experience seen as a whole there is a continuing concern to combine effectively the intellectual and the spiritual.

In more specific terms, the college program is designed to develop in the students who attend St. Andrews such characteristics and attitudes as the following:

(1) A disciplined, informed, and inquiring mind marked by the ability to think clearly and to express ideas effectively.

(2) A breadth of intellectual sympathy that will include awareness of the major cultural achievements of Western civilization and of the emerging non-Western cultures.

(3) A growing and informed Christian faith that finds expression in genuine commitment to Christ and the church as well as in the work to which the alumni of the college are called.

(4) An intelligent concern for the realization of Christian and democratic values not only in personal relations but also in national and international affairs.

(5) A desire for continued intellectual, moral, and spiritual growth.

(6) Physical and emotional health and vitality.



## GENERAL INFORMATION

St. Andrews Presbyterian College is a private four-year liberal arts college for men and women, established and maintained by the Synod of North Carolina, Presbyterian Church in the United States. The faculty is of high caliber, and the new academic curriculum has focused national attention on St. Andrews. Programs are offered in the liberal arts and the sciences leading to the Bachelor of Arts degree. The Teacher Education program is approved by the North Carolina State Department of Public Instruction; and the School of Music provides accredited programs leading to the Bachelor of Music degree. The Bachelor of Science degree is offered in several cooperative programs.

### Location

St. Andrews lies on the south side of Laurinburg, county seat of Scotland County, at the edge of the famous Sandhills country. The golf resorts of Southern Pines and Pinehurst are nearby. It is at the junction of U. S. routes 401, 15, 501 and 74. These highway arteries, plus bus service and proximity to air service, make Laurinburg accessible from all parts of the country. The college is served by the Seaboard Coast Line Railroad via Hamlet and Fayetteville, and by Piedmont Airlines through Fayetteville. Laurinburg-Maxton Airport, a general aviation field with 6,500-foot runways, is within six miles of the campus.

### Accreditation

The college is accredited by the Southern Association of Colleges and Schools. It is an institutional member of the National Association of Schools of Music and holds membership in the North Carolina Association of Colleges and Universities, the American Association of Colleges, the North Carolina Foundation of Church-Related Colleges, and the Presbyterian Education Association of the South. The athletic program is approved by the National Association of Intercollegiate Athletics (NAIA) Membership in District #26.





## Campus

St. Andrews' fortunate location gives its students a pleasant setting for study and recreation. Laurinburg's climate is similar to that of the nearby winter resorts of Pinehurst and Southern Pines. The area is noted for the beauty of its azaleas, camellias, dogwood, and longleaf pine.

The college is equally fortunate in having all permanent buildings linked to a central air-conditioning, heating system. One of the chief attractions of the college is its new, contemporary-style campus. The beauty of the campus is not marred by unsightly poles, since power and telephone lines are underground. The instructional units and dormitories are built with ramps to accommodate students with physical limitations.

The college owns 820 acres of rolling farm land, most of which lies in the city limits. The campus is located on the northern and southern banks of a 70-acre lake, and its design won a first-place citation in national competition for the architect. Expert landscape and educational consultants were employed to translate Christian educational philosophy into modern construction.



THE LIBERAL ARTS AND SCIENCE BUILDING houses academic activities within an area of 64,000 square feet. One-story on the south side, the building changes to two-story height on the lake front, and has two enclosed, landscaped courtyards. It contains 17 lecture-classrooms, 7 science laboratories, 2 seminar rooms, 3 business education rooms, arts and crafts studio, language laboratory with the latest in modern equipment, 250-seat liberal studies auditorium equipped with visual aids, faculty lounge, 32 faculty offices, and an exhibition lobby area. All laboratories have the most modern equipment. Provision has been made for closed circuit television and audio-visual teaching.







THE DORMITORIES are single and multiple-story to accommodate 96 and 114 students to a building. The single-story buildings are constructed around courtyards. One outstanding feature of all dormitories, especially conducive to developing a spirit of student family living, is the small group unit to accommodate 12 or 16 students. These units include bedrooms, bath, and a lounge. Laundry facilities are conveniently located in each dormitory. In addition, each dormitory has a reception area, residence hall director's apartment, and all required auxiliary facilities.

Near the men's dormitories are these physical education facilities: all-weather track, Clark Field for baseball, lighted all-weather tennis courts, soccer and hockey fields, and a golf practice area with a par three course of 6 holes.



THE STUDENT CENTER makes effective use of glass and sunlight, and overlooks the lake on the residential side of the campus. The center of campus social life, it houses the student lounges, television room, music-listening room, recreational facilities, snack bar, post office, student book store, student activity offices, and cafeteria.

THE VARDELL MUSIC BUILDING is near the lake on the south side of the campus. It contains instrument storage room, choral-recital hall and robe storage, 2 music theory classrooms, a music education classroom, 8 studios for organ and piano, 18 practice rooms, music listening-room, library, and faculty offices. The building is soundproof throughout.







THE DETAMBLE LIBRARY is at the center of campus academic life. Gifts for its construction came from many sources, the largest from the First Presbyterian Church of Winston-Salem out of the F. J. DeTamble legacy, with others from the Z. Smith Reynolds and Mary Reynolds Babcock Foundations. It is a beautiful three-story building (the third a mezzanine) near the lake on the academic side of the campus. Its air of quiet spaciousness produces an atmosphere conducive to study and work. The seating capacity of 260 includes many individual study carrels. Shelf space is provided for 60,000 volumes and more than 45,000 are now in the collection. Four to five thousand volumes are being added each year, and 355 current periodicals and newspapers are received.

The Scottish collection consists of about 750 volumes of Scottish history and literature, especially interesting because of the strong Scottish background of the college and of the community in which St. Andrews is located. The music library, containing nearly 1,500 scores and more than 1,000 records, and provided with listening booths, is housed in the Vardell Building.



THE PHYSICAL EDUCATION BUILDING is in a convenient location between the two residence areas. Designed to undergird the St. Andrews program of athletics for men and women with an emphasis on lifetime sports, it is a focal point of student life. The major basketball court has a seating capacity of 1,200 and can be converted for several intramural games. The large swimming pool will be available for year-round use, as will the bowling alleys, handball courts, game room, wrestling and weight rooms. Offices for the physical education staff are next to the classrooms, and other facilities include lockers and dressing rooms and accommodations for visiting teams.

THE POWER PLANT, an attractive, modern building on the northern edge of the campus, houses the latest equipment for heating and air conditioning the entire campus. It is also the center for the electrical distribution system.

At present THE AUDITORIUM, THE ADMINISTRATION BUILDING, THE CHAPEL, and THE INFIRMARY are housed in temporary quarters. These buildings will soon complete the first phase of our campus facilities.

A separate SCIENCE BUILDING, connected to the Liberal Arts Building by a common Lecture Hall, is now being designed by the college architect.

## History

In the early 1950's the Presbyterians of North Carolina were facing the problem of too many colleges for their financial resources. They obtained a grant from the Ford Foundation with which to conduct an over-all study of the program of Christian higher education in the Synod of North Carolina. One of the results of the study was a decision by the Synod, in 1955, to merge several of its colleges into one at a new site.

A Board of Trustees was elected with representation from the Boards of Trustees of the merging schools after these boards had signed the agreement of consolidation. The official agreement of consolidation was filed with the Secretary of State in Raleigh on May 28, 1958, and was called the Charter of the Consolidated Presbyterian College.

Subsequently, another foundation grant enabled the Synod to conduct a study leading to the new and unusual features of the St. Andrews curriculum and student life. Long periods of planning by the Board went into the campus design, the curriculum and administrative organization of the new college.

St. Andrews was named in late 1960 after a careful study by a sub-committee of the Board of Trustees. The name has great historical and traditional significance in the Protestant heritage. Not only was Andrew one of Christ's disciples, but he also became a symbol of Christian evangelism in the history of the church. St. Andrews University in Scotland was a key point in the development of the Protestant Church in Scotland. The name "Andrew" is Greek and means "manhood" or "valor."

The merging institutions contributed years of experience and time-honored traditions to the new college.

Flora Macdonald College, named for the colorful Scottish heroine, was founded in Red Springs by Fayetteville Presbytery in 1896. First called Red Springs Seminary, the name was changed in 1903 to Southern Presbyterian College and Conservatory of Music in recognition of its outstanding academic program in music. In 1914 Dr. James A. Macdonald of Toronto suggested that the name be changed to Flora Macdonald.

In 1928 the Synod of North Carolina authorized the establishment of the Presbyterian Junior College for Men in Maxton, and the institution rendered valuable service to North Carolina youth until it became a part of St. Andrews.





## ADMISSIONS

An education at St. Andrews is an adventure—exciting and rewarding. In order to take the greatest advantage possible of the opportunities here, the student must prepare himself, or be prepared, adequately.

In its admissions policy, St. Andrews adheres to sound educational practice. The prime factor in considering each prospective student is his potential ability to achieve a rewarding and exciting college career.

St. Andrews feels that, once he or she is found to be academically qualified, no student should be denied entrance because of financial need. Naturally, the college expects its students to pay as much of their costs as possible. However, within the limits of its resources, St. Andrews will supplement an individual student's funds with scholarships, grants-in-aid and loans.

St. Andrews is committed to the education of those persons who are seeking a college with excellent standards of scholarship in a Christian atmosphere. The application of every such person desiring this type of educational experience will be welcomed and carefully examined.

### Types of Admission

For admission as a freshman, the requirements will normally include graduation from a high school accredited by the State Department of Public Instruction. Preparatory training should emphasize the traditional academic subjects. The recommended high school credits include

English	4 units
Foreign Language	2 units
Mathematics (Algebra 2, Plane Geometry 1)	3 units
Social Sciences	2 units
Natural Sciences	2 units
Electives	3 or more units

If the applicant has not taken all the recommended subjects, the application will not be denied for this reason alone, provided course credits are reason-



ably similar. However, if the applicant has a year or more of high school remaining, he should make every effort to take the rest of his study in the recommended fields. Removal of entrance deficiencies before registration for the first semester is desirable; **all deficiencies must be removed before registration for the third semester.**

Students wishing to transfer to St. Andrews from other colleges will be admitted to advanced standing, provided they meet the academic standards of St. Andrews and submit the admissions credentials indicated below. Only grades of "C" or higher are accepted for transfer credit. A maximum of 64 semester hours will be accepted from a junior college.

The college admits a limited number of special students who have been graduated from secondary schools but who are not candidates for a degree. These students are classified as Special Non-degree Students and do not have class standing. Students carrying fewer than 10 hours of credit because of reasons of health or other special considerations will pay according to the reduced hours rates listed on page 31. Those persons enrolled for studio courses only in the School of Music are classified as Special Non-degree Students.

St. Andrews recognizes its responsibility to those student applicants who, because of ability and achievement, have proved to be superior in their pre-college preparatory study. Such persons will be considered for admission before completion of their high school program. In addition, students who have successfully completed advanced placement courses in high school and satisfied the standards set by the Educational Testing Service, Princeton, New Jersey, may be permitted to matriculate with college credit for such achievement. Applicants who anticipate advanced placement on this basis should write to the Director of Admissions for details.



## Admissions Procedure

The Admissions Committee will decide upon each application on its own merits, and every applicant will receive individual attention. For admission to St. Andrews, all applicants must follow the procedure as outlined below:

1. Application forms and other information relating to admission may be obtained from the Office of Admissions. A fee of \$15 should accompany the completed application when it is returned. **This fee covers the cost of processing and cannot be refunded or applied to other fees of the college.**
2. **St. Andrews requires applicants to take the Scholastic Aptitude Test and three Achievement Tests**, including English Composition. The Writing Sample is not required and should not be substituted for an Achievement Test. Scholastic Aptitude Test scores are used for admissions purposes, so applicants are advised to take this test early in the senior year. Achievement Test scores are used for placement purposes—to assist in placing students in college classes suited to their ability and achievement. Applicants should take Achievement Tests at the most advantageous time, such as when a high school course terminates.

The two Achievement Tests other than English Composition should be chosen with the applicant's college major and proper placement in mind. For example, an applicant who plans to major in chemistry should take the Achievement Test in chemistry. One who has taken two or more years of foreign language and plans to continue in that language should take the Achievement Test in that language. The mathematics test is recommended for more accurate placement in that required program.

If the applicant's high school cannot provide application information for CEEB tests, applicants should write to the

College Entrance Examination Board  
Box 592

Princeton, New Jersey 08540

for the Bulletin of Information, obtainable without charge. Separate booklets describing the tests and giving sample questions and answers will be given to each registered candidate at no additional cost.

3. A transcript of high school credits (and all college credits, including summer school work, in the case of transfer students) should be sent directly to the St. Andrews Admissions Office from the high school or college(s) the applicant has attended.
4. Evidence of honorable dismissal from the former school or last college attended and of ability to do satisfactory academic work is expected of transfer students.
5. A health record will be furnished for completion and return during the application process.

## Acceptance by St. Andrews

The application will be reviewed as soon as all the required material is on hand. If the applicant is accepted for admission, he will be required to make a deposit of \$25 in order to hold a place in the next entering class. This deposit will be credited on the semester account. An additional deposit of \$50 (\$75 after May 1) is required when he reserves a room in the dormitory. This deposit will be credited to the semester account. **The deposits are not refundable unless the student is later denied admission to the college.**

## STUDENT LIFE

The life of St. Andrews students is directed toward the goal of fullness in living and learning together. The academic program, social activities, citizenship, religion and recreation all make a contribution. The academic program is designed to bring about intellectual competence, familiarity with the learning process, skill and knowledge in special fields, and climaxes with the awarding of a baccalaureate degree.

In the social life of the campus, the emphasis is on group living and the student has many opportunities to develop confidence and poise in social activities. Individual responsibility is the keynote of student citizenship. Student government helps plan and regulate the campus life through the Senate, the Cabinet and the Student Judiciary. The religious life on the campus is centered in chapel programs and other activities which provide experiences in worship and spiritual growth.







### **Leisure Time Activities**

The recreation program at St. Andrews has tripled with the completion of the new physical education building. Students are expected to lead a balanced campus life and participate fully in all of its phases. The philosophy of the college is that neither academic nor social recreational life can function in a vacuum, apart from each other. With this philosophy the recreational program has developed to include games and sports, dances, informal and formal musical groups, and many opportunities for filling leisure time.

The physical education department through its intramural program and open recreation program sponsors and conducts activities in: touch football, volleyball, basketball, swimming and diving, bowling, billiards, table tennis, shuffleboard, badminton, wrestling, handball, squash, paddle ball, field hockey, softball, track and field, tennis, golf, archery, fishing, and boating. In addition to these activities, several dances and special events such as carnivals are scheduled during the entire year. With such a variety of activities indoors and outdoors, all on our college campus, St. Andrews students can adequately fill their leisure time.

### **The Student Association**

Each student automatically becomes a member of the St. Andrews Student Association upon enrollment at the college and with that act assumes the privilege and the responsibility of maturing self-direction and self-discipline. It is expected that the student will exercise responsible initiative in his own growth and development within the framework of the policies and procedures outlined by the Board of Trustees and authorized through and by the President of St. Andrews.

Faculty and administrative supervision of student-centered activities is provided through (a) the joint student-faculty Student Life Committee, which works with the Dean of Students in overall coordination of matters relating to non-academic affairs; through (b) the Faculty Executive Committee, which works with the Dean of the College in review of matters relating to the academic



affairs of students; and, through (c) the Attorney General's staff, which serves as the referral point in handling misconduct among students. The President of St. Andrews is the source of final authority and appeal in all actions of these groups.

The Student Association functions through three primary divisions. The Student Cabinet, as the executive body, is composed of leaders of all major divisions and departments of the Association together with the chief elected officers of the student body. The Attorney General's staff is the chief judicial agency of the Association and is composed of elected and appointed representatives.

The Student Senate, with representatives from each class and residence group, serves as the chief legislative body of the Association. The major divisions and the various departments of the student body have Faculty and Staff Advisers to assist with programs of the student groups.

It is essential, of course, that students at St. Andrews behave responsibly and that any who are unwilling to follow the policies and procedures of the institution may expect disciplinary action. Such action by the college, or its officials, while directed toward the welfare of all students, must be firm when the student involved does not show convincing evidence of being in sympathy with the purposes, policies, and procedures of the institution.

### Parental Relationships

The college will provide reports of academic progress to both students and parents after each official grade period. Parents will also be informed at once should a son or daughter receive disciplinary action of any kind (i.e., Academic Warning, Probation, extended "Campus or House Arrest", or more serious disciplinary actions).

If such problems do arise, however, it is expected that students will communicate with their parents immediately and not await notice from college officials for full consideration of their difficulties. The college, of course, must reserve the right to ask any student to withdraw when it becomes clear that this is necessary for the welfare of the institution.

The student life programs are more fully explained in the **STUDENT HANDBOOK** which is given to each new student when he registers.



## Honor at St. Andrews

St. Andrews Presbyterian College is a community of responsible persons devoted to the ideals of integrity and honor. Members of the community have instituted the St. Andrews Honor Code in the belief that the integrity of the community rests upon the responsible action of all. Such lapses from individual personal honor as lying, cheating, and stealing are serious violations of community integrity and thus are the concern of all members of the community.

The Honor System of St. Andrews places the following offenses under the jurisdiction of the Judiciary Board:

- (a) lying in official matters;
- (b) academic cheating, including plagiarism;
- (c) stealing.

Each member of the community (students, faculty, administration and staff personnel) bears responsibility for maintaining standards of conduct, and all are pledged to deal with violations of honor in a responsible way.

A person who violates the Honor Code is himself obligated to report his violation to a member of the Judiciary Board.

A witness to a violation of the Honor Code has an obligation to the community. He should fulfill his obligation in one of the following ways:

He may approach the suspected violator either in person or in writing and urge him to report the violation. If the suspected student does not act within a reasonable time, the witness is obligated to report the violation.

Anyone who witnesses a violation of the Honor Code may make a report directly to the Judiciary Board.

Each student upon matriculation at St. Andrews will sign the following pledge:

As a member of the honor community of St. Andrews, I pledge that I will not lie, cheat, or steal, nor will I tolerate this conduct in any other member of the community. I will do all within my power to uphold the high standard of integrity and honor of St. Andrews.

Members of the administration and faculty of St. Andrews pledge themselves to respect the spirit and intention of this Honor Code, and to support those who are charged with the responsibility of administering the Honor System.

## Religious Life

The curricular and the extra-curricular emphases at St. Andrews combine to make clear to our students the implications of Christianity for modern life.

St. Andrews is a college of the church, but not sectarian in its outlook. Nearly one-third of the total credit required for graduation is devoted to the program of Christianity and Culture. This is a four-year course designed to provide every student with an opportunity to study the Judeo-Christian heritage in depth.

The whole curriculum is taught in an academic community which respects the truth of religion and by professors who are informed by the Christian faith. Students have counselors available to guide them in making important decisions. The Guidance Center is ready to help students clarify their vocational aims and to explore the various vocational opportunities open to them. Both students and faculty members are searching for truth in all the disciplines in the conviction that all truth is God's truth, no matter where it is found.

The college was founded and is operated by the Presbyterians of the Synod of North Carolina. It is unreservedly committed not only to teach the Christian faith but to live it. An important aspect of life together in this community is

the opportunity made available each week for worship. In the Chapel services an attempt is made to relate the worship of God to the various aspects of the particular experiences of students, faculty, and staff in this academic community. In addition to traditional worship experiences where the College Pastor, other faculty members, students, or visiting speakers preach, the attempt is made to provide variety in services, using drama, music, films, and other media appropriate to interpreting the meaning of the Christian tradition to modern life.

In addition to the weekly worship services on the campus, students are afforded the opportunity to worship in the churches of Laurinburg where they are most welcome. The Student Christian Council and the College Pastor co-operate to provide a wide range of voluntary activities for interested students.

At St. Andrews faculty members are selected with two things in mind: intellectual and academic competence, and genuine commitment to Christian ideals and values. Christianity is not treated as just another religion to be studied, but as the way of life that alone brings enduring happiness.





## Residence Hall Life

Campus housing is provided all students not living with their parents, guardians, or husbands or wives, when available space permits. Single undergraduate men and women fully admitted, but for whom no space on campus can be assured, may be permitted to reside off-campus when approved by application to the Office of Student Affairs. The college, however, cannot provide direct supervision of off-campus residents. Each student is expected to respect basic college regulations whether on or off campus.

Residence hall life is designed to equip the student for responsible group living and self-discipline. Students live in small units of twelve to sixteen in suites grouped around a common living room. In this atmosphere they must learn to live harmoniously and creatively. Through the House Council and Residence Director, resident students are able to participate in the planning and operation of the residence halls, as well as the larger campus community program of activities. Staff members of the Office of Student Affairs serve in over-all coordination of residence halls and resident student life.

Residents are provided meal service in the Student Center Dining Hall each day throughout the regular college year. Both the residence halls and the dining hall are closed during stated vacation and holiday periods. Off-campus students may secure permission from the Business Manager to eat meals on a regular basis in the Dining Hall.





## **Physically Handicapped Students**

From its beginning the college has provided for students with physical limitations both a setting and a program aimed at developing their full potential. Careful planning by educational experts, trustees, and the architects eliminated stairs and other barriers throughout this all-new campus. With support from the Federal Vocational Rehabilitation Administration and the Mary Duke Biddle Foundation, St. Andrews began in 1965 an extensive research project in this area. This project routinely furnishes student aides to the physically handicapped as needed to insure their successful completion of the college program. The major purpose of the research project is to study the use of such student aides in a small college setting.

## **Health and Medical Care**

A College Health Center with a full-time Resident Nurse, an Assistant Nurse, and a College Physician available for daily consultation is maintained for routine medical and first aid services to the students at no extra charge. For those who have paid the general fee and room and board, overnight care in the Health Center is provided; however, cases needing special or more than casual bedside attention will be referred to a local hospital. Such special care, special medications, and the services of medical doctors off-campus are financial responsibilities of the students and their parents.

The College Physician, as well as other medical doctors, may be seen for private consultation off-campus, or at the specific request of a student or parent. Such services are not provided as a part of the College Health Center program.

Through the cooperation of a commercial insurance company, a low-premium accident and sickness insurance plan is available to full-time students. The college recommends strongly that parents secure such insurance protection for their sons and daughters if adequate coverage is not provided through family or individual programs. More information regarding this college-approved and company-administered plan is available in the College Health Center or the Business Office.

## **Motor Vehicle Use Permits**

St. Andrews officials recognize that motor vehicle operation hazards exist far beyond the bounds or control of the college and do not encourage students to bring vehicles to the campus. It is believed, however, that some students may have just cause for possession of motor vehicles while enrolled as residents or non-residents.

Students who believe possession of an automobile or operation of a motor vehicle is necessary, may make an application for a permit through the Office of the Campus Engineer. Application forms are provided by this office and permission, if granted, requires that the applicant have approval of his or her parents, guardian, or spouse if married, present evidence of personal and property liability protection, and such other data as may be requested for supporting the application. For applicants who are 21 years of age or over and self-supporting, applications must also bear the name of one of the above persons or the next of kin to whom reference may be made in emergencies. The fee for a motor vehicle permit is five dollars per year.

Students on probation, or with probationary status pending, whether academic or disciplinary, may expect their permissions to operate motor vehicles to be suspended.

Supervision of the motor vehicle use program is coordinated by a student Court and the Office of Student Affairs in cooperation with the campus Security Officer.

### **Guidance and Counseling**

The aim of the guidance and counseling program is to provide counseling resources which will help each student with personal, academic, spiritual, and vocational problems from the time he considers application for admission to St. Andrews until graduation.

Pre-college counseling is available through arrangements in local churches with the Presbyterian Guidance Center; counseling regarding admission to the college is available through the Office of Admissions. Guidance and counseling services for students enrolled at St. Andrews may be arranged with one of the Deans when assistance from other than faculty advisers is needed.

Prospective students are urged to come to the Presbyterian Guidance Center during their junior year of high school. Appointments may be made through any Presbyterian minister or by writing to the Director of the Center. This service is provided by the General Assembly of the Presbyterian Church, U. S., in cooperation with the Synod of North Carolina and St. Andrews.

Upon application for admission to the college, each applicant may secure counseling assistance through the Director of Admissions. Following admission, college guidance and counseling is provided primarily by faculty advisers to whom students are assigned prior to registration for assistance in orientation to campus life, in planning academic programs, and in other matters. The student maintains the relationship with his adviser for a two-year period. Then, at the end of the sophomore year, he seeks admission to a department of the college as a major and receives a new adviser assigned to him by this department.

The Deans and the College Pastor assist the faculty advisers with referral of students wishing special counseling services. The staff and resources of the Health Center are used for more specialized consultation regarding personal health. Students desiring special vocational guidance may use the staff and resources of the Presbyterian Guidance Center with arrangements through one of the Deans.

Undergirding the college program of guidance and counseling is the testing program for entering students under the direction of the Director of Admissions. This program includes a battery of general aptitude and achievement tests which serve as a basis for placement and later counseling.

In order to aid students who are having special difficulties in getting the meaning from the printed page, a reading improvement program has been established under the direction of the Visual Aids Department. While the battery of aptitude and achievement tests help identify new students who need aid with reading, other students may request diagnosis of reading competence and permission to participate in the reading program by reporting directly to the program coordinator in the Division of Behavioral Sciences

### **Placement Service**

St. Andrews Presbyterian College offers job placement services to (1) regular students who need part-time work to help offset the costs for attending college, (2) senior students desiring assistance in finding suitable employment after graduation, and (3) alumni who request assistance in location of additional employment opportunities.

While the Office of the Dean of Students assists in over-all coordination of these services by collecting general information from those seeking job placement guidance, designated placement advisers in the various academic areas of the college may be contacted directly.

Primary assistance to students and prospective employers who are interested in part-time employment opportunities on or off campus is provided by the Director of Financial Aid. While this service is concerned basically with aiding students who have financial need, help is provided by him when particular talents, short term, or special needs may be involved.

Teacher placement, regardless of the academic interest, is under the direction of the Placement Adviser in the Division of Behavioral Sciences, who collects credentials from those who desire to enter teaching. With assistance from the Dean of Students and the Placement Adviser of each particular academic area, this official arranges interviews with school administrators.

Opportunities and needs in the business world are given primary attention by the Business and Economics Placement Adviser. He may be contacted directly by interested students and employers.

Graduate study placement assistance is provided primarily by respective academic division advisers and particular major field advisers with whom students have worked. Of special concern to students who plan entrance into graduate study is the need for early application to the college or university into which admission will be sought. Such applications for admission to graduate study, and applications for graduate study assistantships or scholarships, should be initiated in the fall of the senior year without fail.

Summer and vacation-time employment information may be gained from the Director of Financial Aid. Respective placement advisers in the various academic interest areas frequently have information which will be helpful to students who are interested in such work opportunities or in summer work-travel-study programs.

There is no charge, either to students or to employers, for placement services provided by the college. Applications for part-time or vacation-time employment should be filed with the Director of Financial Aid. Since one placement application form is used for those seeking full-time employment following graduation regardless of the area in which primary interest lies, applications may be filed with the Dean of Students, who will provide copies to advisers concerned.

Alumni who are interested in placement assistance from the college are invited to keep either the Dean of Students or major field placement advisers informed and up to date.





# FEES

St. Andrews seeks to provide an educational opportunity at the lowest possible cost which will afford high quality instruction and comfortable student facilities. Tuition and fees cover only a part of the instructional and operating cost of the college. The difference between such costs and the amount paid by the students must be met by income from endowment, contributions of Presbyterian churches, and gifts of friends who recognize the value of the opportunities offered by St. Andrews.

## Expenses

	Day Student		Resident Student	
	Per Year	Per Semester	Per Year	Per Semester
<b>Freshmen</b>				
<b>1968-69</b>				
Tuition	\$1465.00	\$732.50	\$1465.00	\$ 732.50
General Service Fee*	120.00	60.00	120.00	60.00
Room Rent and Service			350.00	175.00
Board			560.00	280.00

Total (Guaranteed for  
4 years) \$1585.00 \$792.50 \$2495.00 \$1247.50

**Note:** A four hundred dollar scholarship will be available to applicants for admission who are members of the Presbyterian Church, U. S., Synod of North Carolina.

## Sophomores

<b>1968-69</b>				
Tuition	\$1400.00	\$700.00	\$1400.00	\$ 700.00
General Service Fee*	110.00	55.00	110.00	55.00
Room Rent and Service			340.00	170.00
Board			545.00	272.50

Total (Guaranteed for  
3 years) \$1510.00 \$755.00 \$2395.00 \$1197.50

**Note:** A four hundred dollar scholarship will be available to applicants for admission who are members of the Presbyterian Church, U. S., Synod of North Carolina.

## Juniors

<b>1968-69</b>				
Tuition	\$1350.00	\$675.00	\$1350.00	\$ 675.00
General Service Fee*	110.00	55.00	110.00	55.00
Room Rent and Service			320.00	160.00
Board			515.00	257.50

Total (Guaranteed for  
2 years) \$1460.00 \$730.00 \$2295.00 \$1147.50

**Note:** A three hundred dollar scholarship will be available to applicants for admission who are members of the Presbyterian Church, U. S., Synod of North Carolina.

## Seniors

<b>1968-69</b>				
Tuition	\$1100.00	\$550.00	\$1100.00	\$ 550.00
General Service Fee*	110.00	55.00	110.00	55.00
Room Rent and Service			300.00	150.00
Board			485.00	242.50

Total (Guaranteed for  
1 year) \$1210.00 \$605.00 \$1995.00 \$ 997.50

## Music Fees

### Music Majors—Per Year Cost

General applied music fee	\$200.00
Includes all lessons, use of practice room and accompanist when necessary.	

Rental of instruments	10.00
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### Other Music Students—Cost per year

One hour lesson per week	180.00
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One-half hour lesson per week	100.00
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Accompanist fee	30.00
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### Summer School Music Fees

Applied Music fee per term	\$ 50.00
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Includes practice room.

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\*The General Student Service Fee covers such items as college infirmary services, laboratory fees, lecture and concert series, musical programs, physical education fees, library services, subscription to the college newspaper, yearbook, and membership in Student Christian and Student Government Associations.

## General and Miscellaneous Fees

Cost of books and supplies will vary somewhat according to the course of study. In addition to these costs, a reasonable allowance should be made for incidental expenditures which include personal necessities, laundry, clothes and miscellaneous items. It should be understood that this total will vary according to individual tastes, requirements, and choice. The college provides many social, recreational, and cultural opportunities which may be enjoyed for little or no extra cost.

Application Fee	\$15.00
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Room Reservation Deposit	50.00
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Pre-Registration Deposit	25.00
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Deferred Payment Fee	15.00
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Late Registration Fee	10.00
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Paid only if the student registers after the announced registration period.

Change of Schedule Fee	1.00
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This applies to change in program made after the second week of classes in any semester.

Graduation Fee	15.00
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Includes the cost of diploma and rental of cap and gown.

Transcript Fee	1.00
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First transcript is without charge. For each one after that there is a fee of \$1.00.

Extra Hours (per semester hour)	22.50
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In excess of eighteen regular academic hours per semester.

Reduced Hours (per semester hour)	22.50
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Less than ten academic hours per semester.

Practice Teaching (6 hours credit)	50.00
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Students residing off campus for student teaching will be allowed a credit (8 weeks) (all meals taken on campus during this time will be charged on a per meal basis)

50.00

Motor Vehicle Permit	5.00
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## Expenses for Physically Handicapped Students

This supplementary financial information is directed to those students who will require personal attendant services during their enrollment at St. Andrews Presbyterian College. Our experience indicates that assistance in such personal items as bathing, bathroom routines, dressing, and care of hair is more ap-

appropriately handled by adult attendants. Other services during the day such as handling cafeteria trays, opening doors, mailbox combinations, pushing wheelchairs, and other activities of this nature can be provided by student aides from the V.R.A. Project.

A careful and continuing study has been made of the cost of providing these services in the college setting. In line with current expenses and actual cost-records, the following rates have been established, subject to annual revision:

Attendant care for one physically handicapped student, including laundry service . . .

One 5-week Summer Term	\$100.00
One regular semester, Fall or Spring	\$350.00

The college assumes responsibility for the hiring, training, and supervision of attendant-personnel. The College also handles all administrative details including payroll deductions for F.I.C.A. and State and Federal taxes.

All expenses for **student** aides as described in the V.R.A. Project materials are borne by the College without cost to the physically handicapped student.

For further information concerning any of these matters, write to:

Director, V.R.A. Project  
St. Andrews Presbyterian College  
Laurinburg, N. C. 28352

### **Application and Pre-Registration Deposits**

An application fee of \$15.00, which is not refundable, is required of each new student. A pre-registration deposit of \$25.00 is required in order to hold the student's place in the next entering class. Applicants for dormitory reservations who file before May 1 must also make a room reservation deposit of \$50.00, while applicants for dormitory space who file after May 1 must make an advance payment of \$75.00, in addition to the pre-registration deposit of \$25.00 and the \$15.00 application fee. All fees except the application fee will be credited to the student's account. No deposit is refundable or transferable unless the applicant is refused admission by the college.

### **Student Accident and Sickness Insurance**

St. Andrews Presbyterian College makes available each year a student insurance program at a minimum cost for a twelve-month period. A letter and a brochure will be mailed to every student following his acceptance explaining this program in greater detail. The college is vitally concerned with the promotion of good health for its students. Therefore, as a supplement to our existing health facilities, we recommend participation in this program. The plan will cover serious illness and injury requiring hospitalization and surgery.

### **Laundry Rental Service**

A laundry rental service is available and information describing the service will be sent to students after their acceptance. Generally, two sheets, two bath towels, two face towels, and one pillow case are furnished for each student each week.

### **Payment of Accounts**

All accounts are due and payable on or before the day of registration for each semester. Registration is not complete until all bills are settled. Parents are expected to furnish students with signed checks when they register, give them permission ahead of time to write checks, or to have made arrangements with



a tuition payment plan or bank to send in the semester's payment.

Any exception made to the above stated policy must be cleared prior to registration with either the President or Business Manager.

In order to meet changing economic conditions, the Board of Trustees reserves the right to revise charges upward or downward as conditions may warrant.

### **Refunds**

If a student withdraws for any reason within the first three weeks of a semester, one-half of the tuition and fees will be refunded. A charge will be made for a proportionate share of the board, but a full charge will be made for room rent. After the third week, no refunds are allowed except for sickness or a call into the armed services. In case of sickness we must have a written statement of the case from a medical doctor. No refunds will be made without an honorable dismissal from the Dean. Application for refund must be made at the time of withdrawal.



# FINANCIAL AID

At St. Andrews we believe that our first duty is to serve young people who earnestly desire a college education and can demonstrate the potential and motivation for success in their career here.

The primary responsibility for his education lies with the student and his family. However, the college realizes that financial aid from other sources is often necessary at a church-owned institution.

The church and other friends of the college, through annual gifts and endowment, provide funds to assist such students. Because of the limited funds available to the college, it is necessary that each student assume as much of the costs as possible. Few students can expect the college to bear a major share of the financial burden.

## Applying for Financial Aid

Inquiries regarding ACADEMIC SCHOLARSHIPS available to applicants with outstanding aptitude and achievement may be made to the Director of Financial Aid or to the Director of Admissions.

Written applications for these academic awards must be initiated NO LATER THAN MARCH 1. Awards with larger stipends are

- (1) Lucy Steele Scholarships
- (2) Presidential Scholarships
- (3) Vardell Scholarships

Special funds are set aside for high school graduates recognized as valedictorians. These may be requested through the college Director of Financial Aid or the Director of Admissions with supporting evidence and recommendations.

A four hundred dollar scholarship will be available to freshmen applicants for admission who are members of the Presbyterian Church, U. S., Synod of North Carolina. Applications may be obtained from the Director of Financial Aid or the Director of Admissions.

Other scholarships available to students who desire to attend St. Andrews but which are administered by agencies outside the college, include the following:

- (1) National Merit Scholarship, 1580 Sherman Avenue, Evanston, Illinois (information available from local high school counselors)
- (2) Presbyterian Scholarship Competition, Board of Christian Education, Box 1176, Richmond, Virginia.

Several scholarship programs are administered by local church groups and students should present requests directly to them.

In addition, there are various programs for dependents of deceased or disabled veterans of World War I, World War II, and the Korean conflict. Information about these programs is available from local or state Veterans Administration offices. Local civic organizations frequently have scholarship funds available, and the president or secretary of such groups will provide help to students who wish to apply for such funds.

Inquiries regarding LOANS, WORKSHIPS, AND GRANTS-IN-AID based upon need may be made directly to the college Director of Financial Aid. Applications must be initiated NO LATER THAN APRIL 1 to be considered for the next academic year.

Applications for financial aid (other than valedictorian scholarships) are to be made on College Scholarship Service forms. These are available from either the local high school counselor or from the College Scholarship Service, Box 176, Princeton, New Jersey, by April 1. This independent evaluating agency (CSS) will report to the college Committee on Financial Aid the amount of support the student and his family will need.

This analysis of need and other information supplied by the applicant will govern the individual financial aid program arranged with the college.

Typical awards based upon demonstrated need are combinations of loans, workshops, and grants amounting to approximately one-third each.

Loan funds available through the college include the National Defense Education Act program which gives special consideration to students with good academic records who plan to enter teaching, and to those with superior capacity for, or preparation in, science, mathematics, engineering, or a modern foreign language.

Limited endowed funds at the college are designated, also, for short and long term loans to students with need and satisfactory records.

Agencies outside the college from which St. Andrews students frequently borrow throughout the undergraduate years are

- (1) North Carolina Bankers Student Loan Plan—Established by the North Carolina Bankers Association, in 1962, at the request of Governor Terry Sanford and administered by the College Foundation, Inc. in Raleigh. North Carolina students may borrow up to \$500.00 per academic year.
- (2) James E. and Mary Z. Bryan Foundation Student Loan Plan—Established by Mary Z. Bryan, in 1953, as a memorial to her husband and administered by the College Foundation, Inc. in Raleigh. North Carolina students may borrow up to \$1,000.00 per academic year.
- (3) North Carolina Prospective Teacher Loan Program, Department of Public Instruction, Raleigh (for North Carolina residents who plan to teach in the state).
- (4) Pickett & Hatcher Educational Fund, P. O. Box 2128, Columbus, Georgia.
- (5) United Student Aid Funds, 5259 N. Taroma Avenue, Indianapolis, Indiana 46220.

Several agencies provide plans for financing up to 100 percent of the total educational costs over the entire undergraduate period. These include:

- (1) College Assured Plan, Wachovia Bank & Trust Company, Winston-Salem, North Carolina.
- (2) Educational Funds, Inc., 10 Dorrance Street, Providence, Rhode Island.
- (3) The Tuition Plan, One Park Avenue, New York 16, N. Y.

Whether helping with financial aid matters under the supervision of the college or those available from outside resources, the college Director of Financial Aid is anxious to be of assistance.





### **To Renew Financial Aid**

All financial aid plans involving the college must be renewed annually. However, most academic scholarships are renewable automatically if the recipient continues to meet the scholastic and citizenship conditions outlined for each particular scholarship.

While the college Director of Financial Aid is anxious to serve, each student must exercise his own initiative to keep the college informed of needs and of changes in his financial resources.

Re-applications are to be filed NO LATER THAN March 5 for the coming school year. Any application received after this date will be treated as a new application and the student concerned will lose any priority for continuation of aid.

For renewal, or changes in aid plans, students should observe the following additional requirements

- (1) As a general rule, academic scholarship recipients must maintain no less than a "B" average and exhibit evidence of good citizenship.
- (2) All students receiving assistance from the college through grants-in-aid, loans, or work opportunities are to maintain at least a "C" average in all work attempted. Any exception must be specifically provided for in writing from the Director of Financial Aid. All students must exhibit evidence of good citizenship for continuation of a financial aid plan with the college.
- (3) All students receiving assistance based upon need must report changes in financial resources, academic or citizenship problems which affect their status at the college, changes in marital status, and changes in campus or home address.
- (4) All students receiving assistance based upon need must have written permission from the Director of Financial Aid to maintain an automobile at the college. Only in exceptional cases will such permission be granted.

# ACADEMIC PROGRAM

## The Curriculum

Three degrees are offered by St. Andrews: Bachelor of Arts, Bachelor of Science, and Bachelor of Music. Candidates for each degree are required to complete at least 124 semester hours of work with an average of "C" in all work attempted at St. Andrews.

Requirements for the Bachelor of Arts Degree and the Bachelor of Science Degree (except in the three-year cooperative programs):

### Basic Liberal Studies

Christianity and Culture	33 semester hours
Laboratory Science	8 semester hours
Mathematics	6 semester hours
Foreign Language*	6-12 semester hours
Physical Education	4 semester hours
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Total	57-63 semester hours
Requirements for Major	30 to 40 semester hours
Electives	37 to 21 semester hours

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Total at least 124 semester hours

\*The foreign language requirement is determined by the major program. A student presenting two units of a secondary school foreign language may choose to inaugurate another language. If he chooses to repeat the introductory level of his secondary school language, 130 semester hours of work will be required for graduation.

Not later than the spring of his sophomore year the student must select the department in which he wishes to major. The requirements in each major field are given at the beginning of the description of courses offered in that department. The additional number of hours required for graduation may be chosen by the student in consultation with his faculty adviser, provided all necessary requirements have been met. See "Programs of Study" on pp. 85 to 100.

To meet the requirements for graduation students are expected to take both the Graduate Record Examination (area, aptitude, and advanced) and the sophomore testing program.

Principal areas of study within the three degree programs:

Biology	Pre-Dental
Business Administration	Pre-Law
Chemistry	Pre-Medicine
Economics	Pre-Ministry
Education	Psychology
English	Religion
Fine Arts (Art or Drama)	Religion with Christian Education
French	Religion and Philosophy
History	Romance Languages
Mathematics	Science Education
Music	Social Studies
Politics	Sociology and Anthropology

Co-operative Programs with other institutions:

Engineering/Medical Technology

## Registration

Toward the close of each semester, students plan their course programs for the succeeding semester in conference with their advisers. New students confer with their advisers during the orientation period. Final registration is completed on a designated registration day at the beginning of each semester.

Necessary changes in registration may be made by the use of forms obtained in the office of the Registrar. The original must be approved by the student's adviser and the professors concerned. The change is not official until the form is returned to the Registrar. Withdrawal from a course is regarded as a change in registration and is cared for in the manner described. Failure in the course will be recorded for those who do not comply with the above. A student may not register in a course for full credit after the second week of the semester.

## Student Program

The normal student load is fifteen or sixteen credit hours per semester, not including physical education or choir. Permission to take more than a normal load is based upon the student's previous academic record. Seventeen hours may be granted by the adviser. Application for more than seventeen hours must be made to the Dean of the College. Under no circumstances will a student be permitted to take more than nineteen semester hours. Regularly enrolled students must carry a minimum of twelve semester hours, not including physical education or choir. If a student's course enrollment falls below this minimum, he may be asked to withdraw from college.

## Residence

No degree will be conferred upon anyone who has not spent his senior year at St. Andrews.

## System of Grading

The system of grades is as follows:

Grade	Significance	Quality Points
A	Excellent	6 per sem. hr.
B+	Very Good	5 per sem. hr.
B	Good	4 per sem. hr.
C+	Above Average	3 per sem. hr.
C	Satisfactory	2 per sem. hr.
D	Passing	1 per sem. hr.
E	Conditional Failure	0
F	Failure	0
I	Incomplete	0
W	Withdrawn Medical	0
WP	Withdrawn while passing	0
WI	Withdrawn involuntarily	0
WF	Withdrawn while failing	0

Quality points, the numerical equivalent of the letter grade, are used to determine the student's rank in class, academic honors, and academic warning. To meet the minimum requirements for graduation all students must have (1) a quality point ratio of 2.0 on all work attempted at St. Andrews and at least 124 hours of course work, (2) a quality point ratio of 2.0 on the final 30 hours of college work, and (3) a quality point ratio of 3.0 in the major field on course work taken at St. Andrews.

All students who enter St. Andrews from the fall semester, 1967, through the summer, 1968, are under the requirements of the 1967-68 catalog.



## Conditions, Incompletes, Failures, Probation, and Withdrawals

A grade of conditional failure (E) may be removed by re-examination. This must be accomplished within the third week of the following semester, unless an alternate procedure is specifically authorized by the Dean of the College.

An incomplete (I) is given only when circumstances do not justify giving a specific grade. It must be removed within the first nine weeks of the semester following the one in which the incomplete was received. If not removed within this time, the incomplete becomes a failure (F).

A failure (F) cannot be removed from a student's record. However, if a course is repeated, the second grade is recorded as the final grade for the course. If the course is required for graduation or for a major, it should be repeated the next time it is offered. If not required, it may be repeated only with the approval of the adviser and the Dean of the College.

A withdrawal (WP) is given when a student withdraws from a course with the approval of his faculty adviser and is doing passing work in the course. A grade of WF is recorded if the student is not doing passing work. The grade W is recorded where a student withdraws for medical reasons. For an explanation of the grade WI, see Class Attendance section in the Student Handbook.





Regularly enrolled students are placed on Academic Probation for one semester when their quality point ratio falls below 1.50 or when they pass less than nine hours per semester. They are placed on Academic Warning if their quality point ratio falls between 1.50 and 2.0. Regulations governing such status are given in the Student Handbook. Any student who fails to maintain satisfactory academic progress for more than two semesters may expect to be asked to withdraw from St. Andrews. Any student on Academic Probation after two successive semesters will be asked to withdraw.

### **Class Attendance Regulations**

Regular class attendance is an important student obligation and a student is responsible for all the work, including tests and written work, done in all class meetings. No right or privilege exists which authorizes a student to be absent from any given number of class meetings.

Class attendance is a concern and responsibility of the student himself and of his instructor. When absences from class endanger a student's academic standing or indicate serious lack of commitment to the work of the course, appropriate action will be taken by the instructor to remedy this situation.

**Specific regulations are outlined in detail in the Student Handbook. It is the responsibility of each student to be informed on these regulations.**

### **Classification**

Credit for college work is recorded in "semester hours."

The classification of a student depends upon the amount of college work and the number of quality points he has to his credit, and not upon the length of time he has been in college. A student is classified

- (1) As a senior, upon completion of 90 semester hours with a grade point ratio of 1.9 on all work attempted at St. Andrews.
- (2) As a junior upon completion of 58 semester hours with a grade point ratio of 1.7 on all work attempted at St. Andrews.
- (3) As a sophomore, upon completion of 26 semester hours with a grade point ratio of 1.5 on all work attempted at St. Andrews.
- (4) As a freshman, if the regular admission requirements have been met.
- (5) As a special student, if, for some approved reason, he is registered for less than 12 semester hours or is not taking a degree program.

## Re-Admission

To maintain satisfactory progress toward a degree a student must pass at least 30 semester hours of course work each year with a grade point ratio of 2.0 on all work attempted at St. Andrews. The College does permit re-admission under the following minimum standards, feeling that below these standards a student has no chance of completing requirements for graduation:

- (1) To return for a second year, a student must have passed at least 26 semester hours with a grade point ratio of 1.50 on all work attempted at St. Andrews.
- (2) To return for a third year, a student must have passed at least 58 semester hours with a grade point ratio of 1.7 on all work attempted at St. Andrews. He must also have passed during the previous year a total of 24 semester hours and received 48 quality points.
- (3) To return for a fourth year, a student must have passed at least 90 semester hours with a grade point ratio of 1.9 on all work attempted at St. Andrews. He must also have passed during the previous year a total of 24 semester hours and received 48 quality points.

In meeting these requirements, no grade of conditional failure (E) may be counted in the total number of semester hours passed.





Summer school programs, when approved by the Faculty Executive Committee and when in keeping with degree requirements, may be counted in computing the required total. Deficiencies in the Basic Liberal Studies program must be removed during the summer whenever possible.

Both resident and non-resident students must complete the appropriate Residency Agreement to establish eligibility for re-admission.

In keeping with the twofold purpose of the College, that of quality higher education and Christian citizenship, applicants for admission or re-admission whose records of achievement and citizenship reveal questionable patterns of behavior will be denied the privilege of enrollment or may be given an appropriate conditional status.

### **Transfer Credits**

Transfer credit from other institutions approved by the regional accrediting agency will be received in full provided the courses taken correspond to work offered at St. Andrews Presbyterian College and receive the approval of the Dean of the College. For credit the courses must have been completed at the "C" level or higher. Courses in which grades of less than "C" have been earned are not acceptable for transfer credit.

### **Summer School**

The College normally conducts a summer session. Though offerings are less extensive than during the fall and spring terms, the summer curriculum, nevertheless, includes a wide range of courses for undergraduates, teachers, and high school graduates who wish to qualify for advanced standing. Regular members of St. Andrews Presbyterian College teaching staff and visiting professors make up the faculty of the summer school. Write to the Director of Admissions, St. Andrews Presbyterian College, Laurinburg, North Carolina, for further information.

### **Summer Work at Other Institutions**

Any student desiring to receive credit toward graduation for summer courses at another institution must have the approval of his faculty adviser and the chairman of the division in which the corresponding course is taught at St. Andrews. The institution in which work is taken must be fully accredited. Credit will be granted only for courses of college level which are also allowed toward graduation by the institution conducting the summer school. For credit



the courses must be completed at the "C" level or higher. The student is responsible for requesting the institution to mail an official transcript of his summer work to the Registrar at St. Andrews as soon as the courses are completed.

### **Correspondence Work**

Full time students may be enrolled in extension courses and evening courses for credit from other colleges or universities only if they get approval in advance from the Dean of the College.

Six semester hours of work taken by correspondence will be accepted by St. Andrews Presbyterian College toward graduation.

### **International Studies**

St. Andrews sponsors and co-operates with other institutions in making available to students courses and programs abroad in international studies. While these are primarily conducted in the summer, some are available during the regular terms.

### **Washington Semester Program**

Students in the Division of History and Social Science may apply as candidates for study in American Government for the first semester of their Senior year at the American University in Washington, D. C. This program is open to those students who are especially interested in pursuing careers in politics and government. The candidate is expected to have a B (4.0) average at St. Andrews at the time of his application, and he should have completed some course work in American Politics.

Applications should be submitted during the Spring semester of the Junior year, immediately prior to the pursuance of the American University semester program. The applications are considered by the divisional faculty, and the candidate is notified prior to the completion of the Spring semester of his Junior year.

Some financial assistance is given to successful candidates who demonstrate financial need.

### **Adult Education**

The program of Adult Education is designed primarily to provide opportunity for participation in community service programs for which no college credit is given. Courses for credit, which are taught under the regulations of St. Andrews Presbyterian College, are also offered. Write to the Director of Admissions, St. Andrews, Laurinburg, North Carolina, for further information.

### **Special Note**

The College reserves the right to make changes in particular curricular requirements and offerings, in regulations, and in fees whenever such changes are deemed essential. College catalogs and bulletins are prepared for the purpose of furnishing prospective students and other interested persons with information about the institution. Announcements contained in such printed material are subject to change and may not be regarded as legally binding obligations.

When any student does not show convincing evidence of being in sympathy with the purposes, policies, and procedures of the institution, the college must reserve the right to ask the student to withdraw for the welfare of the institution.

# COURSES OF INSTRUCTION

The following pages list the academic courses offered in 1967-68, unless there is specific statement to the contrary. In departments where advanced courses are offered only in alternate years, this fact is indicated.

In general, courses numbered between 100 and 199 are designed for freshmen, those numbered between 200 and 299 for sophomores, and those numbered between 300 and 499 for juniors and seniors. Odd numbers are used for courses ordinarily offered in the first semester and even numbers for those ordinarily offered in the second semester.

A year course is indicated by joining the course numbers for two successive semesters with a hyphen, e.g. 101-102. **Credit toward graduation will be given for the first semester of such courses only when this is followed by the successful completion of the second semester.** Any exception to this regulation must be stated explicitly in the course description.

The requirements for departmental majors are usually stated immediately preceding the list of courses offered in that department. These programs are described in detail on pages 85 to 100. Special three-year cooperative programs in engineering and in medical technology are also offered and these are described on page 99.





## CHRISTIANITY AND CULTURE PROGRAM

The Christianity and Culture Program is a four-year, inter-disciplinary general education program required of all B.A. students. Those not working for the B.A. degree take as much of this program as is possible under the requirements for their degree. This program combines studies in religion, philosophy, history, literature, art, and the social sciences. A carefully organized writing experience is an essential aspect of the Christianity and Culture program.

### 101-102 Freshman Year

**Credit 12 s. h.**

First Semester: An examination of the Hebraic and Greek sources of our culture and their living presence in contemporary culture. A careful study is made of the Old Testament and of the great works of the Golden Age of Greece. Intensive writing projects will be based on readings from both ancient and 20th century works.

Second Semester: A study of the contributions of Christianity (the New Testament), of classical Graeco-Roman culture, and of the early Middle Ages to the development of modern Western civilization. The major characteristics and ideas of each period are brought together to determine the extent of the influence of each upon the other. The course includes writing projects of increasing complexity. Equivalent course credit:

RELIGION 101, Survey of the Old Testament	3 s. h.
RELIGION 102, Survey of the New Testament	3 s. h.
HISTORY 101, Western Civilization	3 s. h.
ENGLISH 105, Composition and World Literature	3 s. h.

### 201-202 Sophomore Year

**Credit 12 s. h.**

First Semester: A study of the development of Western civilization from the High Middle Ages through the 17th century, with special reference to the influence of Christianity upon this development. Major areas of study include the High Middle Ages, the Renaissance, the Reformation and the Age of Reason. Critical essays are an important aspect of this course.

Second Semester: A study of the important developments in Western civilization from the 18th century to World War II. Major emphasis is placed upon the Enlightenment, the Industrial Revolution, the rise of nationalism and liberalism, and the challenge of secularism to the Christian view of man and society. Equivalent course credits:

ENGLISH, 106, Composition and World Literature	3 s. h.
PHILOSOPHY 201, Introduction	3 s. h.
HISTORY 102, Western Civilization	3 s. h.
ART 250, Introduction to Art History	3 s. h.

Prerequisite: Christianity and Culture 101-102

### 301 Junior Year

**Credit 3 s. h.**

A study of the major Afro-Asian cultures and the rising tension between these nations and the established institutions of Western civilization. Attention is also given to the influence of Christianity upon these non-Western cultures.

Prerequisite: Christianity and Culture 201-202.

### 302 Junior Year

**Credit 3 s. h.**

A study of the culture of the United States, with attention to distinctive elements in the American heritage. A major research paper is required.

Prerequisite: Christianity and Culture 201-202.

An approach through problem and case studies to critical issues of the world we live in and the role of Christianity in our time. A major concern is the student's own system of values and his ability to present ideas effectively in oral and written form.

Prerequisite: Christianity and Culture 301-302.

### THE DIVISION OF BEHAVIORAL SCIENCES

The program of offerings is designed to meet the needs of students as follows:

1. The liberal arts student who wishes to take elective courses for personal enrichment and vocational exploration.
2. The liberal arts student who plans to qualify for certification to teach in either elementary or secondary public schools. (See details below.)
3. The liberal arts student who wishes a Psychology or Sociology major, including the necessary foundation for either pursuit of graduate study or for a terminal degree program. Electives are provided to permit pursuit of areas of particular interest in Psychology or Sociology. (See page 86.)

### TEACHER EDUCATION

The Teacher Education programs described here and at other appropriate places in this catalog are approved by the North Carolina Board of Education and meet the requirements of the Department of Public Instruction for North Carolina. These programs likewise meet the undergraduate requirements for most states for initial teacher certification. The major program in Elementary Education is outlined on page 86 of this catalog. The secondary level programs presently include Business, English, French, Spanish, Social Studies, Mathematics, Biology and Chemistry concentrations, and Music, and are described under the respective academic divisional offerings. Supplemental certification in Physical Education is described in that section.

Beginning with the 1967-68 session, a revised professional Education course sequence will be in operation. Approved by the faculty of the College, the new program highlights the establishment of Cooperative Services for Teacher Education Projects (Co-op Step) with a summer student teaching experience for which student teachers will be paid. Details on this program are contained in **A Guide to Co-op Step at St. Andrews**. All students, except 1967-68 seniors, are expected to follow the requirements for the new program, which include the following:

**Education 408** (for primary level emphasis) or **Psychology 303**

**Education 312**

**Education 315**

Note: At least two of the above courses are to be completed prior to student teaching. One of these courses may be taken on an independent study basis.

**Materials and Methods** (6 s. h. for elementary majors; 3 s. h. for secondary majors) to be completed prior to student teaching.

**Education 420** (generally, to be completed in summer following the junior year)

**Education 400** (to be taken throughout the senior year)

## EDUCATION

- 010      Reading Improvement      No Credit**  
A program designed to meet the reading and study skills needed to accomplish more effectively the demands made upon the student in the college setting. Though primarily recommended for the improvement of study skills, vocabulary, and reading speed and comprehension of freshmen, the program is adjusted to the individual requirements of students at any level. Both group and individual sessions are utilized, and enrollment is on a semester basis.
- 312      The American School: Foundations and Issues      Credit 3 s. h.**  
A presentation of the historical, philosophical, and sociological foundations of the American School, together with consideration of the current trends and issues with which the future teacher should be confronted. Required for all students in teacher education programs. May be taken on an independent study basis with prior approval.
- 313      Psychological Measurement and Appraisal      Credit 3 s. h.**  
A study of the various areas of psychological measurement and appraisal in the understanding of personality and behavior patterns in the individual. General and special abilities, interest and personality characteristics, as well as achievement, are investigated and standardized tests for these topics are examined. Mathematics 102P or its equivalent expected as a prerequisite.
- 314      Introduction to Counseling      Credit 3 s. h.**  
The purposes, processes, organization and resources for guidance and counseling are considered. Special attention will be given to understanding and dealing with adjustment problems, including consideration of some case studies and a practicum in counseling techniques. (Prerequisite: Math 102P or the equivalent, and consent of the instructor.)
- 315      Educational Psychology      Credit 3 s. h.**  
A study of individual differences, growth and adjustment, the learning process, and basic principles of guidance and evaluation. Required for all students in teacher education programs. May be taken on an independent study basis with prior approval.
- 319      Literature for Children and Youth      Credit 3 s. h.**  
A survey of traditional and contemporary literature suitable for children in the elementary school, together with its place and significance in the integrated curriculum. Consideration for the related development of reading skills through literature will be introduced. Brief teaching experiences in local public schools will be a part of this course.
- 320      Reading and Other Language Arts      Credit 3 s. h.**  
A study of the development of the language arts skills, particularly reading, but including listening, speaking and writing as experienced by the elementary school child. A variety of approaches to the development of vocabulary building, word construction and phonetic analysis will be considered. Brief teaching experiences in local public schools will be a part of this course.
- 400      Curriculum Organization, Development and Evaluation      Credit 3 s. h.**  
A combination seminar and practicum for all students in any teacher education program. This experience provides an opportunity to study



in some depth the organization and operation of the public school program out of which the curricular programs should be developed and evaluated. Practical experiences in some facet of both the public school and the college are included. Ordinarily taken as a senior year post-student teaching program; continues for the full academic year.

- 408 Early Childhood Development** **Credit 3 s. h.**  
A study of the developmental needs and readiness of early childhood with particular emphasis on the four and five year old and his physical, mental, emotional and social growth. Guided experiences with children and a case study of one child are expected. Credit may be applied toward kindergarten certification for those who hold elementary certification. (Also see Christian Education 408.)
- 409 Early Childhood Education** **Credit 3 s. h.**  
A study of the organization, administration, standards, equipment, program, and parent-teacher relationships of the kindergarten. Attention is given to the organization and curriculum of a state-approved program, both public and non-public supported. Field work in a weekday kindergarten is required. Credit may be applied toward kindergarten certification for those who hold elementary certification. This course is recommended for primary and elementary majors; either this or Psychology 303 is required. (Also see Christian Education 409.)
- 412 The Social Studies in the Elementary School Program** **Credit 3 s. h.**  
A detailed and comparative study of the content, method and technique used in guiding the educational growth and development of the elementary school age child. Brief teaching experiences in local public schools are a part of the course.
- 414 Mathematics and Sciences in the Elementary School Program** **Credit 3 s. h.**  
A detailed and comparative study of the content, method and technique used in guiding the educational growth and development of the elementary school age child. Brief teaching experiences in local public schools are a part of the course.
- 413 Secondary Level Materials and Methods** **Credit 3 s. h.**  
Each student in a secondary level program will enroll during the junior year in this course as listed in his or her respective academic division. Consideration for the content, method and technique needed in the teaching of the major subject in the public school is undertaken. Brief teaching experiences in local public schools are a part of the course.
- 420 Student Teaching** **Credit 6 s. h.**  
Under the direction of a qualified public school supervising teacher and the College, a full-time continuous student teaching experience is carried out. Each student will be expected to complete at least 90 hours of actual teaching. Ordinarily, student teaching will take place in the summers; credit will not be counted toward graduation.

## PSYCHOLOGY

Requirements for a major: Thirty-seven semester hours which must include Psychology 201, 202, 303, 320, 401, 411 and Mathematics 203, and competence in one foreign language.

- 200 Foundations of Human Behavior Credit 3 s. h.**  
An examination of the psychological, social, ethnic and cultural foundations of human behavioral processes. Special attention is given to man's historical and contemporary understanding of himself and his own behavior. Includes topics such as psychoanalysis, perception, cultural and social influences on behavior. (Non-major course.)
- 201 Introduction to Psychology Credit 3 s. h.**  
An introduction to the study of scientific psychology with an emphasis on such topics as learning, motivation, thinking, memory and pathological behavior. Three hours lecture and two hours laboratory weekly.
- 202 General Experimental Psychology Credit 4 s. h.**  
A consideration for and laboratory investigation of such selected topics as behavioral assessment, measurement, perception, sensation, motivation, and experimental control. Intended primarily for Psychology and Human Relations majors. This course may be selected by others desiring a more adequate foundation in psychology as a science. Three hours lecture and two hours laboratory weekly. Prerequisite: Psychology 201 and Mathematics 203 or its equivalent.
- 303 Developmental Psychology Credit 3 s. h.**  
An assessment of the areas of development in childhood and adolescence with special emphasis upon case materials in development and maturation, and factors associated with normal and abnormal development patterns. Experiences will be planned for observation and reporting on children at various ages in keeping with the particular concerns of the student. This course is required of all students in teacher education programs, except that primary level elementary majors may substitute Education 408.
- 304 Abnormal Psychology Credit 3 s. h.**  
This study is designed to investigate carefully the factors, processes, and conditions which cause personality deviations (neuroses, psychoses, mental deficiencies.) Also, abnormal behavior patterns are identified and appropriate therapeutic techniques considered. (Prerequisite: Psychology 201 and one additional course in psychology.)
- 313 Psychological Measurement and Appraisal Credit 3 s. h.**  
(See Education 313 for description.)
- 314 Introduction to Counseling Credit 3 s. h.**  
(See Education 314 for description.)
- 320 Social Psychology Credit 3 s. h.**  
A course dealing with those topics which are common to the fields of psychology and sociology, and involving both individual and group psychological behavior implications. It includes a treatment of social institutions and pressures which influence prejudices, attitudes, beliefs and propaganda. (Prerequisite: Psychology 201 and Sociology 201 or consent of instructor. Offered each Spring.)
- 321 Experimental Psychology I — Perception Credit 3 s. h.**  
An introduction to the principles of sensation and perception with emphasis upon psychophysical measurement, space perception and the extraction of information from the environment. 2 hours lecture, 2 hours lab. (Prerequisites: Psychology 201 and 202.)

- 401 Personality Development** **Credit 3 s. h.**  
This course involves a study of the theories and dynamics of personality development. It seeks to help the student discover those factors and processes which contribute to personality development, with particular emphasis upon the well-adjusted personality. (Prerequisite: Psychology 201 and 6 additional hours of Psychology.)
- 405 Experimental Psychology II — Learning** **Credit 3 s. h.**  
An analysis of basic learning problems and theories from an experimental point of view. Emphasis upon experiments in classical and operant conditioning, verbal, motor and perceptual learning. 2 hours lecture, 2 hours lab. (Prerequisites: Psychology 201 and 202.)
- 406 Experimental Psychology III — Motivation** **Credit 3 s. h.**  
An examination of various theories of motivation with emphases upon experimental findings in motivation and laboratory experience in testing some of the theories of motivation. 2 hours lecture, 2 hours lab. (Prerequisite: Psychology 201 and 202.)
- 411 Seminar in Psychology** **Credit 3 s. h.**  
Class sessions emphasize the history and current trends in special areas of psychology. Field trips and brief laboratory sessions in the College Guidance Center and similar agencies will be planned. An emphasis on independent study characterizes this program. (Prerequisite: Psychology 401 and approval of instructor. Offered each spring semester.)

### Junior and Senior Honor Courses

- 325-326 Junior Honors in Psychology** **Credit 4 s. h.**  
An investigation of research literature in Psychology. Admission by nomination only.
- 425-426 Senior Honors in Psychology** **Credit 4 s. h.**  
A research investigation of a psychological topic. Admission by nomination only.

### SOCIOLOGY AND ANTHROPOLOGY

Requirements for a major in Sociology and Anthropology: Thirty semester hours in Sociology and Anthropology courses, including Anthropology 204, Sociology 201, 321, and 421, and competence in one foreign language. The pattern of all elective courses will be determined in consultation with the faculty program adviser.

- 201 General Sociology** **Credit 3 s. h.**  
A study of human society with emphasis on groups, institutions, social classes, social processes, and ways of thinking and living associated with group activity.
- 204 General Anthropology** **Credit 3 s. h.**  
An introduction to general anthropology, the science of man. Topics considered: the emergence of man; the prehistoric development of culture; primitive societies; the dynamics of culture; and the universal aspects of culture.



- 205 Culture and Personality (Anthropology) Credit 3 s. h.**  
A survey of methods and problems in studying the personality features characteristic of non-literate tribes around the world. Mutual relationships between culture and the individual are explored.
- 309 Contemporary Social Problems Credit 3 s. h.**  
A study of the explanations for social change and of how divergent values create social problems. The major areas of tension within which contemporary social problems arise are given particular attention.
- 310 Introduction to Social Work Credit 3 s. h.**  
A study of the field of social work: the development of work concepts and philosophy, the types of social agencies, the role of the modern social worker and of the institutional framework within which he functions. Prerequisite: Sociology 201.
- 311 Marriage and Family Life Credit 3 s. h.**  
A study of the development of these two social institutions with consideration given to such problems as woman's position, courtship, marital adjustments, safeguarding the marriage relationship, divorce, and social changes affecting the family.
- 320 Social Psychology Credit 3 s. h.**  
A course dealing with those topics which are common to the fields of psychology and sociology, and involving both individuals and group psychological behavior implications. It includes a treatment of social institutions and pressures which influence prejudices, attitudes, beliefs, and propaganda. (Same as Psychology 320) (Prerequisite: Psychology 201 and Sociology 201 or consent of instructor.)
- 321 Research Methods in Sociology and Anthropology Credit 3 s. h.**  
An introduction to methods of research in the social sciences including the formulation of problems, research design, sampling techniques, and the collection and analysis of data. (Prerequisite: Sociology 201 and Mathematics 203.)
- 331 Field Observation in Social Work Agencies Credit 1 s. h.**  
A field course in which students visit various kinds of social work agencies under the supervision of trained social workers to observe and experience as many kinds of social service work as time and facilities will permit. Seminars and discussions will be organized with experts in the field of social work. One or more papers will be required. (Prerequisite: Sociology 310 and consent of the instructor.)
- 332 Social Work Methods Credit 3 s. h.**  
A course designed to present wide-range knowledge of methods in the three major types of social work practice: social case work, group work, and community organization. Through the use of case materials the students should learn to apply theory and methods to the actual types of situations. On occasion, professional social workers who can illustrate the different work techniques will be invited to the class. (Prerequisite: Sociology 310 and consent of the instructor.)
- 403 American Social Structure Credit 3 s. h.**  
An analysis of the social organization of the United States with reference to cultural norms, social stratification, and the inter-relations

of social institutions. Emphasis will be placed on new trends, such as the accelerating rate of social change, the assimilation to a new status of Hawaii and Alaska, and the increasing complexity of our relations to other countries. Prerequisite: Sociology 201.

- 404      The Community      Credit 3 s. h.**  
A qualitative study of community life today and of the changing role of the local community in the larger society. The patterns of social interaction found in rural, urban, and metropolitan communities are analyzed. Prerequisite: Sociology 201.
- 405      Population      Credit 3 s. h.**  
An analysis of population from the standpoint of theories, dynamics, composition, fertility, mortality, migration, and its significant economic and social aspects. (Prerequisite: Sociology 201.)
- 421      Sociological Theory      Credit 3 s. h.**  
A survey of the development of social thought and an analysis of contemporary social theories. The course will emphasize directed study and a seminar type of research. (Prerequisite: Sociology 201.)

## **PHYSICAL EDUCATION, HEALTH EDUCATION AND RECREATION**

The program of Physical and Health Education is five-fold in purpose. The first is that of physical activity and includes physical fitness. This is a service program designed to promote the physical well-being of Freshman and Sophomore students. It includes a variety of activities designed to promote interest in planned leisure-time programs as well as to provide the opportunity to develop fundamental motor skills. This program is required of Freshman and Sophomore students for graduation. The other areas include the Intramural Sports Program, the Intercollegiate Program, the Professional Teacher Training Program, and the Health and Hygiene Program.

A thorough physical examination is required of each student before entrance. On the basis of this examination advice is given each individual as to the kind and amount of exercise needed.

During the first week of school, a swimming test and a physical fitness classification test will be given to each freshman and transfer student to determine fitness in these areas.

Students failing the swimming test will be enrolled in the beginner swimming program. All students must be able to pass the basic swimming requirements before graduation.

Students scoring below the minimum on the physical fitness test will be required to take two extra hours of physical education body development activities until they can fulfill the basic fitness requirement. A re-test is given at mid-term.

## **PROFESSIONAL TEACHER TRAINING PROGRAM**

The Department of Physical Education and Health offers an 18-hour program for students interested in coaching on the high school or junior college level. This program at the present time is taken along with the courses required in education for secondary teachers and the major emphasis area. This program enables a student to teach a subject area and to coach in North Carolina. Students interested in this program should contact the Department of Physical Education as soon as possible in order to set up a program of study.

Suggested courses P.E. 205, 304, 307, 401 or 204, 402 or 305, and 403. A course outline is found under the Program of Study heading on page 87.

## **THE REQUIRED PHYSICAL EDUCATION PROGRAM**

Every student in the college who is a candidate for a degree must pass 4 semester hours of Physical Education. A program of physical fitness is continued throughout the entire course.

All students excused from physical education for medical reasons are required to take P.E. 204 Personal and Community Hygiene (Credit 3 s. h.) and also P.E. 203 Sports Appreciation (Credit 1 s. h.) These courses must be taken during the first three years. When possible, students will be placed in some phase of the normal program, or in the special adaptive physical education program designed for handicapped students.

### **101-102M Physical Education Activities for Freshmen Men      Credit 2 s. h.**

A program designed to develop basic skill in sports such as touch football, speedball, soccer, softball, volleyball, basketball, wrestling, tumbling, gymnastics, body development, swimming, and track and field. In addition to actual participation in these sports, consideration is given to the study of the history and rules of each. Some selected first aid and personal health facts are taught. Required of all Freshmen men.

### **101-102W Physical Education Activities for Freshmen Women      Credit 2 s. h.**

A program designed to develop basic skill and provide participation in sports such as speedball, volleyball, basketball, soccer, field hockey, basic rhythmic, modern dance, tumbling, gymnastics, body mechanics and movement fundamentals, softball, swimming, and field and track. A study of the history and rules of each sport is included. Some selected first aid and personal health facts are taught to each class. Required of all Freshmen women.

### **101-102A Adaptive Physical Education      Credit 2 s. h.**

A program designed to meet the need of handicapped students. All activities are assigned after individual conferences with the student, the college physician, and a physical therapist.

### **201-202A Adaptive Physical Education      Credit 2 s. h.**

A program designed to develop basic skills in lifetime sports. Description of 101-102A above applies to this course also.

### **201-202 Physical Education Activities for Sophomores      Credit 2 s. h.**

A program designed to develop basic skill in lifetime sports. Only activities with high carry-over values as recreational activities are scheduled. The offerings include: volleyball, badminton, tennis, golf, bowling, archery, bait, spin, and fly casting, boating, canoeing, handball, squash, paddleball, billiards, table tennis, shuffleboard, and swimming. All courses are coeducational when feasible. Required of all sophomores.

### **301-302 Advanced Physical Education Activities      Credit 2 s. h.**

A program designed to give advanced knowledge and to develop higher skills in the following activities: Bowling, golf, tennis, basketball, volleyball, swimming, tumbling, gymnastics, advanced dance and rhythmic activities such as the American folk dance series. Senior life saving is offered each semester. Open to juniors and seniors.



## THEORY COURSES

- 203 Sports Appreciation Credit 1 s. h.**  
This course is designed to develop an understanding and appreciation of sports and activities. A study of the history, background and rules of each sport. Football, basketball, baseball, tennis, golf, track and field, soccer, swimming, volleyball, wrestling and others. Recommended for all students. Required of students with medical excuses.
- 204 Personal and Community Hygiene Credit 3 s. h.**  
A study of health facts, basic attitudes, and health practices fundamental to wholesome living. The areas of study and discussion which form the basis for this course are truths and part-truths, fads, and propaganda which are day-to-day concerns of college students. Recommended for all students. Required of students with medical excuses.
- 205 Introduction to Physical Education, Health Education, and Recreation Credit 3 s. h.**  
A presentation of the basic facts concerning the nature and scope of physical and health education. An orientation to the field of Physical Education, Health Education, and Recreation, including historical backgrounds, program, qualifications, training, and professional opportunities.
- 303 Officiating in Major and Minor Sports Credit 3 s. h.**  
A study of the rules and mechanics of officiating in football, basketball, baseball, track and field, with secondary emphasis placed on those minor sports usually included in the secondary school program. Actual practice in officiating certain intramural games and varsity team scrimmages aids each student to gain a better knowledge and appreciation of the rules through application.
- 304 First Aid and Safety Education Credit 3 s. h.**  
A course concerning first aid methods for the home, school, and community and dealing with some of the problems of safe driving and safe living. Successful completion of this course qualifies the student for the American Red Cross First Aid Certificate. Emphasis on athletic injuries and treatment also. Recommended for all students.
- 305 Community Recreation and Intramural Activities Credit 3 s. h.**  
A course dealing with the problems of organization and administration of a program of activities for schools, colleges, churches, and community recreational programs. It includes practical work in the intramural program on our campus. Open to all students: recommended especially to students going into education and church work.
- 307 History and Principles of Physical Education Credit 3 s. h.**  
An orientation course for students working in physical education, divided into two parts. The first part deals with the history of physical education; the second part deals primarily with the basic principles of modern physical education, stressing aims and objectives with special reference to the value of physical education in the current economic and social life of the nation. Special consideration is given professional leadership and its prospects.

- 315      Methods and Materials in Physical Education      Credit 3 s. h.**  
A study of the methods and content of the physical education program according to age groups, capacities, needs, interests, and developmental level of the individuals. Consideration is given to adapting the program to the materials and facilities available.
- 401      School Health Education      Credit 2 or 3 s. h.**  
A study of the principles and policies underlying the organization and administration of health services, healthful school living, and health instructional programs. Methods, materials, and integrative features of school health education programs are presented. Required for students preparing to teach in elementary grades and for teachers of health or physical education in secondary schools.
- 402      Teaching Physical Education      Credit 3 s. h.**  
**in the Elementary Schools**  
Principles, practices, and procedures in physical education activities for the elementary school including organizing and conducting such a program. Required of all elementary education majors. Elective for other majors. Methods and materials in group games of low organization also emphasized.
- 403      Organization and Administration of      Credit 3 s. h.**  
**Health and Physical Education**  
A course dealing with the policies and problems of organization and administration of Health and Physical Education programs in schools. Includes program, plant facilities, scheduling load, instruction evaluation, and finance.

## THE VARSITY PROGRAM

The athletic program at St. Andrews is approved by and has full membership in the National Association of Intercollegiate Athletics (NAIA) District 26.

St. Andrews is a charter member of the Dixie Intercollegiate Athletic Conference (DIAC)—an athletic conference whose member colleges do not award athletic scholarships.

Currently ten varsity sports are offered to our students. These are:

Fall—cross country, soccer, volleyball;

Winter—wrestling, bowling, basketball;

Spring—tennis, golf, track, baseball.

Women's sports include volleyball, basketball, tennis, and the synchronized swimming Dolphin Club.

## THE DIVISION OF HISTORY AND SOCIAL SCIENCE

The requirements for majors in Business Administration, Economics, History, and Politics are listed with the appropriate course offerings.

The requirements for majors in Social Studies (for secondary teachers) are eighteen semester hours in History, including History 201-202 and 422, Political Science 201, Sociology 201, Economics 207-208, and Geography 301. The Social Studies major meets the North Carolina certification requirements for prospective teachers in the field of History and Social Studies.

The pattern of all elective courses will be determined in consultation with the faculty program adviser.

## BUSINESS ADMINISTRATION

Requirements for a major in Business Administration include 21 semester hours in Business Administration, including Business Administration 309-310, 312, 315, 317 or 408, and 414; Business Education 305, Economics 207-208, 303, 304 or 306; Mathematics 203. See program chart on page 87.

- 200 Introduction to Business** **Credit 3 s. h.**  
An introduction and orientation to business as a social activity. This course provides an understanding of business and its environment, the activities business men perform and why they are performed. The application of the behavioral sciences by management is stressed. (Does not apply toward a major.)
- 309, 310 Principles of Accounting** **Credit 6 s. h.**  
The development of the fundamental principles of accounting for professional and business enterprises through discussions, exercises, workbook, and practice sets.
- 312 Marketing** **Credit 3 s. h.**  
This is the keystone course for all majors in the Business program. It offers a functional analysis of marketing and its importance in the economy, as well as in business management. Additional managerial orientation is provided through sample cases and decision-making. A field trip to one of the major marketing centers of the Southeast is an integral part of this course. (Prerequisite: Economics 207-208.)
- 313 Retailing** **Credit 3 s. h.**  
Principles and practices underlying the efficient management of modern retail business. Covering all types of retail operation, this course stresses the basic management factors essential to sound planning, profitable operation and effective control. (Prerequisite: Business Administration 312.)
- 315, 316 Business Law** **Credit 6 s. h.**  
A survey of law as it applies to business. Contracts, principal and agent, employer and employee, negotiable instruments, bailor and bailee, carriers and shippers, and sale of goods are studied for the first semester. Partnership, corporations, real property and leases, insurance, security devices, bankruptcy, trusts and estates, and government regulations are covered the second semester. (Prerequisite: Economics 207-208.)
- 317 Principles of Management and Organization** **Credit 3 s. h.**  
A broad survey course which examines the central framework of business management, its environment and the personal characteristics, knowledge and skills of the manager. Attention is given to behavioral and environmental as well as technical and functional details of such activities as planning, motivating, directing, delegating and controlling business organization, human relations and communications. (Prerequisite: Economics 207-208.)
- 318 Advertising** **Credit 3 s. h.**  
A wide perspective and understanding of advertising as one of the major marketing functions. The place of advertising in our life, its role in business, how it is produced, how it affects marketing, and the opportunities it offers for creative expression. (Prerequisite: Business Administration 312. Taught only in alternate years.)



- 400 Special Studies** **Credit 1, 2, or 3 s. h.**  
This course will provide opportunity for individuals or small classes to do intensive study or independent work in some special field of Business Administration under faculty direction. The subjects and materials will be decided upon by the students and professor. (Prerequisite: Senior standing and consent of the professor.)
- 408 Personnel Management** **Credit 3 s. h.**  
The basic principles of management; personnel policies, employment procedures, rating and classification, remuneration plans, handling of grievances with emphasis on human relations, promotion and transfer of personnel records. (Prerequisite: Economics 207-208.)
- 409 Intermediate Accounting** **Credit 3 s. h.**  
An analysis of each item on the balance sheet and the income statement considered from the point of view of matching expenses with revenues. (Prerequisite: Business Administration 310.)
- 410 Salesmanship and Sales Promotion** **Credit 3 s. h.**  
A study covering both the theoretical principles and practical application of modern selling, including personal qualities of a successful salesman, buying motives and the appeals to these motives, methods of arousing interest, use of persuasion and suggestion, overcoming objections and closing the sale. (Prerequisite: Business Administration 312. Taught only in alternate years.)
- 414 Seminar** **Credit 3 s. h.**  
An individual research project with a written report in marketing, management, banking, or business organization under the direction of the faculty.

## BUSINESS EDUCATION

- 103, 104 Typewriting** **Credit only in Bus. Ed.**  
Development of keyboard techniques and control, letter styles, tabulation, and other typewriting problems. (Students who have had at least one year of typewriting in high school may not take Typewriting 103. To qualify for Typewriting 104, they must pass a proficiency test on Typewriting 103.)
- 201, 202 Shorthand** **Credit 6 s. h.**  
Principles of Gregg Shorthand with use of Diamond Jubilee materials; application of principles in reading and recording shorthand; transcription techniques and practice.
- 301 Intermediate Shorthand and Transcription** **Credit 3 s. h.**  
Review of principles of shorthand; recording and transcribing office materials with emphasis on vocabulary, English fundamentals, and office procedures.
- 302 Advanced Shorthand and Transcription** **Credit 3 s. h.**  
Development of speed in recording and transcribing shorthand; improvement of techniques and procedures; emphasis on accuracy and production of mailable transcripts.
- 304 Secretarial Problems and Procedures** **Credit 3 s. h.**  
A study of office materials, problems, and procedures; use and operation of office machines, especially dictating-transcribing and duplicating machines; desirable qualities for office managers. Prerequisite: Business Education 201, 202.

- 305 Business Communications** **Credit 3 s. h.**  
A study and application of the principles and techniques in preparing and writing reports, proposals, letters, memorandums, news releases, and minutes of meetings with emphasis on accuracy, clarity, and simplicity. Typing proficiency expected.
- 307 Income Tax Accounting** **Credit 3 s. h.**  
Federal and state income tax laws; practice in preparing returns for individuals, partnerships, and corporations.
- 314 Consumer Problems** **Credit 3 s. h.**  
The consumer in the American economy, his role in society, the factors which affect his choices, understandings which will help him to get maximum satisfaction by wise planning of his family finances; insurance, investments, and use of credit; private and governmental aids for consumer protection; economic theories which affect the consumer; current economic problems; and the international consumer movement.
- 407 Administrative Management** **Credit 3 s. h.**  
Office organization; location and importance of the physical features of the office building; problems and supervision of personnel; business forms and records, a study of flow of work and production control; automation and data processing; use and operation of business machines, especially adding and calculating machines. Typewriting proficiency desirable.
- 413 Materials and Methods in the Teaching of Business in High School**  
See Education 413 for description.

## ECONOMICS

Requirements for a major in Economics: Twenty-seven hours in Economics courses, including Economics 207-208, 303, 304, and 414, and Mathematics 203. Proficiency at the intermediate level of a foreign language (French, German, or Spanish) is required, but substitution of certain advanced Mathematics courses or Business Administration 309-310, may be allowed to meet this requirement when appropriate. The student expecting to do graduate study in Economics will **not** exercise this option, but will develop a proficiency in both a foreign language **and** either mathematics or accounting.

- 200 Economic Processes** **Credit 3 s. h.**  
An introduction to the American economy and to general economic processes for the students not expecting to major in Economics or Business Administration. The course considers selected economic problems; agriculture, labor, social security, foreign trade and growth, and these are analyzed with respect to the American system and our economic goals.
- 207-208 Principles of Economics** **Credit 6 s. h.**  
A survey of our economic system, production, exchange, distribution and consumption of wealth, business cycles, and other economic problems.
- 301 Economic History of the United States** **Credit 3 s. h.**  
The development of American economic institutions, the growth and changes in economic forces, and contemporary economic problems. (Same as History 301) (Prerequisite: History 201-202 or Economics 207-208.)

- 303 Intermediate Economic Theory (Microeconomics) Credit 3 s. h.**  
An examination of the economic principles and theory underlying value and distribution. Application will be made of these principles particularly to the problems of perfect and imperfect competition. (Prerequisite: Economics 207-208.)
- 304 Income and Employment (Macroeconomics) Credit 3 s. h.**  
The economic forces and factors determining the level of income and employment in a political economy are presented and evaluated. Emphasis on the role of government in maintaining a high level of employment and purchasing power is stressed. (Prerequisite: Economics 207-208.)
- 305 Labor Economics Credit 3 s. h.**  
A survey of the economic role of workers as organized by management in the work process, and as organized by unions in the representation process. An analysis of labor organization, the principal forces at work in the U. S. labor markets and the economic issues raised by their inter-action. (Prerequisite: Economics 207-208.)
- 306 Money and Banking Credit 3 s. h.**  
This course analyzes the functioning of the monetary and financial system of the U. S., emphasizing its effect on economic welfare. Historical and institutional aspects and monetary theory are covered. The effects of monetary and fiscal policy on our economic activity are studied. (Prerequisite: Economics 207-208.)
- 308 International Economics Credit 3 s. h.**  
A study of the international movements of goods and an examination of the payments systems. Attention is given to economic geography and factors such as world resources which influence economic development and international trade. Primary focus is on the composition and directions of international trade and to the application of economic theory to the international arena. (Prerequisite: Economics 207-208.)
- 400 Special Studies Credit 1, 2, or 3 s. h.**  
This course will provide opportunity for individuals or small classes to do intensive study or independent work in some special field of Economics under faculty direction. The subjects and materials will be decided upon by the student and professor. (Prerequisite: Senior standing and consent of the professor.)
- 406 Comparative Economic Systems Credit 3 s. h.**  
An objective examination of the theory and practices of the principal economic systems in the world today. Aspects of socialism as applied in various economies, and the degrees of communism practiced in different societies and the trends of capitalism in the United States are studied. (Prerequisite: Economics 207-208.)
- 414 Seminar Credit 3 s. h.**  
The seminar is basically a research undertaking requiring extensive reading, discussion, and writing on an announced topic. A thesis related to the general topic is to be developed under the supervision of the instructor. Guest lecturers and a related field trip will be included.



## GEOGRAPHY

- 301 Geography of the Americas** **Credit 3 s. h.**  
The geography of the Western hemisphere, with special emphasis on North America.

## HISTORY

Requirements for a major in History: A minimum of 24 semester hours in History courses, including History 201-202 and 422. (This requirement is in addition to the Christianity and Culture program.)

A proficiency on the intermediate level of French or German is required, but substitution of other foreign languages will be made when appropriate. See program chart on page 88.

- 101 Western Civilization (Ancient History)** **Credit 3 s. h.**  
A study of the foundations of Western civilization in the Ancient Near East, Greece and Rome. (Offered only as a component part of Christianity and Culture 101-102.)
- 102 Western Civilization (Medieval and Modern History)** **Credit 3 s. h.**  
A study of the development of Western civilization from the Middle Ages to World War II. (Offered only as a component part of Christianity and Culture 201-202.)
- 201-202 American Civilization** **Credit 6 s. h.**  
A study of American civilization from the discovery of the New World to the present, with emphasis upon political, social, intellectual and cultural history.
- 301 Economic History of The United States** **Credit 3 s. h.**  
The development of American economic institutions, the growth and changes in economic forces, and contemporary economic problems. Prerequisite: History 201-202 or Economics 207-208.
- 302 Diplomatic History of the United States** **Credit 3 s. h.**  
American relations with foreign nations from 1775 to the present. Prerequisite: History 201-202.
- 307 The New South** **Credit 3 s. h.**  
Studies in the politics, society, and culture of the Southern United States since Reconstruction. Prerequisite: History 201-202.
- 311 The Colonial Period and the Revolutionary Era** **Credit 3 s. h.**  
A study of the intellectual and institutional history of the colonial period and the American Revolution to the adoption of the Constitution in 1789. Prerequisite: History 201-202.
- 331 Early Modern European History** **Credit 3 s. h.**  
The principal political, intellectual, and social developments in European History from the end of the Thirty Years' War in 1648 to the outbreak of the French Revolution in 1789. Prerequisite: Christianity & Culture 201-202. Offered only in alternate years.
- 332 Europe in an Age of Revolution, 1787-1832** **Credit 3 s. h.**  
The major developments in European History from the convening of the Assembly of Notables in 1787 to the enactment of the First Reform Bill in England. (Prerequisite: Christianity and Culture 201-202.) Offered in alternate years only.
- 333 European History, 1832-1914** **Credit 3 s. h.**  
A study of the principal developments in European life from the

enactment of the First Reform Bill to the outbreak of the First World War. (Prerequisite: Christianity and Culture 201-202.) Offered in alternate years only.

- 341 Modern Russian History** **Credit 3 s. h.**  
The development of Russian life from earliest times, with particular attention to the latter days of the Tsarist regime, the revolutions of 1917, and the Soviet state. (Prerequisite: Christianity and Culture 201-202.)
- 342 Russia Since 1917** **Credit 3 s. h.**  
A study in depth of the Russian Revolution of 1917 and the evolving Communist State, dealing with both the internal development of the Soviet State and its foreign relations. (Prerequisite: Christianity and Culture 201-202.)
- 400 Special Studies** **Credit 1, 2, or 3 s. h.**  
This course will provide opportunity for individuals or small classes to do intensive study or independent work in some special field of History under faculty direction. The subjects and materials will be decided upon by the students and professor. (Prerequisites: Senior standing and consent of the professor.)
- 407, 408 The Twentieth Century** **Credit 6 s. h.**  
Studies in the main currents of world history from World War I to the present, with special attention to European and American foreign and domestic affairs. Prerequisite: History 201-202.
- 411, 412 History of England and Scotland** **Credit 6 s. h.**  
The British Isles from early times to the present day. (Prerequisite: Christianity and Culture 201-202.) Offered in alternate years only.
- 413 Materials and Methods in the Teaching of High School History and Social Studies** **Credit 3 s. h.**  
Does not apply toward a major in the division. See Education 413 for details.
- 422 Senior Seminar** **Credit 3 s. h.**  
Readings, papers, discussion of selected topics, individual projects. This course provides an opportunity for small groups of advanced students to study, under the direction of the department, advanced topics in their special fields of interest. Prerequisite: Junior or Senior standing and consent of the Department.

## POLITICS

Requirements for a major in Politics: Twenty-four semester hours in Politics courses, including Politics 201, 311-312, and 422; and six semester hours in History, selected from History 301-302, 407-408, or 411-412. A proficiency on the intermediate level of French or German is required, but substitution of other foreign languages will be made when appropriate. The student is advised to take additional courses in Sociology, Psychology, Economics, and History, to be determined in conference with his major program adviser.

This major is recommended for students wishing a pre-legal program.

- 201 American Politics: National Government** **Credit 3 s. h.**  
A study of the theory and practice of American national government, including analysis of the functions of major national political institutions, their relationships to state governments, the legislative process and the role of the courts.

- 202 American Politics: State and Local Government Credit 3 s. h.**  
A study of selected state and local governments in the United States, including comparative analysis of state legislative processes, courts, chief executives, and contemporary problems. (Prerequisites: Politics 201.)
- 204 Politics and Religion in American Life Credit 3 s. h.**  
An analysis of the interaction of politics and religion in shaping the American tradition, and an investigation of such contemporary issues as religion and civil rights, church-state relations, and the role of organized religion in political action. (Same as Religion 204)
- 301 American Constitution Credit 3 s. h.**  
An analysis of the Constitution of the United States, including a study of the history of the Constitution, leading cases in constitutional law, and the judicial decision making process. (Prerequisite: Politics 201.)
- 302 American Political Parties Credit 3 s. h.**  
A study of the development, structure, and functions of political parties in the American political process, with a consideration of current problems and prospects for the two major parties. (Prerequisite: Politics 201.)
- 311-312 Western Political Thought Credit 6 s. h.**  
A study of representative theories in the Western political tradition from the classical to the present. (Prerequisite: Christianity and Culture 201-202.)
- 321 Comparative Government and Constitutions Credit 3 s. h.**  
A comparative study of the political systems of leading national powers, their distinctive forms of government, and the course of recent developments. Prerequisite: Politics 201.
- 322 International Relations Credit 3 s. h.**  
An introduction to international relations in the modern state system, including the problems of power, foreign policy, major functions of international organizations and selected major problem situations. (Prerequisite: Politics 201.)
- 400 Special Studies Credit 1, 2, or 3 s. h.**  
This course will provide opportunity for individuals or small classes to do intensive study or independent work in some special field of politics under faculty direction. The subjects and materials will be decided upon by the student and professor. (Prerequisite: Senior standing and consent of the professor.)
- 422 Senior Seminar in Politics Credit 3 s. h.**  
A program of directed study for advanced students providing an opportunity for reading and research on topics of special interest in the field of political science and including group discussions on topics of current concern. For History and Politics majors only.

## THE DIVISION OF LANGUAGE AND LITERATURE

### ENGLISH

Requirements for a major in English include English 201 and 202 and an additional minimum of 24 semester hours. To assure a diversified educational experience, each major should include the following studies: 1 course in Ameri-



can literature; 2 courses in **genre** offerings; 2 courses in major writers; 2 courses in period offerings; 1 course in the English language; 2 elective courses.

English majors are required to show competence in one foreign language. English majors considering graduate study should meet their language requirement in either German or French, and should give at least one year of study to the other. English majors seeking certification for teaching in North Carolina are required to take English 303.

Students with marked academic ability will be invited by the English faculty to become candidates for honors in English. Near the end of their last term in residence, senior English majors will stand a comprehensive oral examination with the English faculty.

- 105      Composition and World Literature (Greek and Roman)      Credit 3 s. h.**  
Major works of literature from Greek and Roman writers studied in translation. Attention will be given to developing critical writing skills. (Offered only as a component part of Christianity and Culture 101-102.)
- 106      Composition and World Literature (Medieval and Modern) Credit 3 s. h.**  
Major works of European literature from the Medieval and Modern periods studied in translation. Successful completion of this course satisfies the writing proficiency requirement. (Offered only as a component part of Christianity and Culture 201-202.)
- 201      The Art of Poetry      Credit 3 s. h.**  
A study of imagery, rhythm, tone, structure and theme in a wide variety of short poems chosen from the English and American traditions. Special emphasis will be given to the development of a critical vocabulary, analytical and appreciative powers in experiencing poetry. Attention will be given to the writing of critical papers. Open to freshmen with permission of the instructor. Offered each Fall.
- 202      The Art of Prose Fiction and Drama      Credit 3 s. h.**  
A study of critical methods used in analyzing and appreciating prose fiction and drama as art forms. Attention will be given to ways in which these literatures can be seen as an index to and a critic of society. Readings will be selected short stories, shorter novels, and dramas of the contemporary English and American traditions. Attention will be given to the writing of critical papers. Open to freshmen with permission of instructor. Offered each Spring.
- 204      American Literature      Credit 3 s. h.**  
A study of selected writers distinctive to the American tradition. Open to freshmen with permission of instructor. Offered each Spring.
- 303      Advanced Grammar      Credit 3 s. h.**  
A study of the various approaches, traditional and modern, to the structure of the English language. Offered annually.
- 308      Victorian Literature      Credit 3 s. h.**  
A study of the major poets and essayists of Victorian England. Offered annually.
- 310      Poetry and Prose of the Romantic Period.      Credit 3 s. h.**  
Study of the chief Romantic poets and writers of critical and imaginative prose, exclusive of the novel. Alternate years.
- 312      The English Novel      Credit 3 s. h.**  
Readings of representative works of the principal novelists of the late

19th and 20th centuries. Reading and analysis of novels by such writers as Hardy, Conrad, Virginia Woolf, Lawrence, Joyce, and Green. Alternate years.

- 314 **Non-dramatic Literature of the English Renaissance** **Credit 3 s. h.**  
Poetry and prose of the English Renaissance with special emphasis on Spenser. Alternate years.
- 315 **Advanced Composition** **Credit 3 s. h.**  
Training and practice in the forms of literary composition. The student will be given considerable latitude in choosing the form upon which he wants to concentrate. Open to juniors and seniors by permission of instructor. Offered on demand.
- 316 **Development of the English Language** **Credit 3 s. h.**  
Study of the history of the language, its morphology, syntax, and linguistic relationships. Offered annually.
- 403 **Chaucer** **Credit 3 s. h.**  
Intensive study of *The Canterbury Tales* and some of the minor poems. Emphasis will be on literary values, but considerable attention will be given to Chaucer's language. Students will also read *Troilus and Criseyde*. Alternate years.
- 404 **Milton** **Credit 3 s. h.**  
Intensive reading of Milton's poetry with major emphasis on *Paradise Lost* and *Samson Agonistes*. Collateral readings from the prose. Alternate years.
- 407 **Shakespeare: The Tragedies** **Credit 3 s. h.**  
An intensive study of the major tragedies. Alternate years.
- 408 **Shakespeare: Comedies and Histories** **Credit 3 s. h.**  
Study of about ten plays. Collateral reading will include a reputable biography. Alternate years.
- 409 **Modern Poetry** **Credit 3 s. h.**  
Readings from a wide selection of modern British and American poets. Special attention will be given to Gerard Manley Hopkins, William Butler Yeats, W. H. Auden, Emily Dickinson, Robert Frost, T. S. Eliot, and Dylan Thomas. Offered each Spring.
- 410 **Modern Novel** **Credit 3 s. h.**  
A study of representative novels of the twentieth century. Reading and analysis of novels by Lagerkvist, Gide, Mauriac, Camus, Bernanos, Silone, Mann, Unamuno, Greene. Offered each Fall.
- 411 **American Renaissance** **Credit 3 s. h.**  
A study of the literature of the American Renaissance, with particular emphasis on Emerson, Thoreau, Whitman, Hawthorne, Melville, and Mark Twain. Alternate years.
- 412 **American Fiction of the 20th Century** **Credit 3 s. h.**  
A study of representative American fiction of the 20th Century. Reading and analysis of novels by such writers as Crane, Dreiser, Hemingway, Wolfe, Faulkner, Porter, Steinbeck, Warren, O'Connor, and Updike. Alternate years.
- 413 **The Art of Teaching English** **Credit 3 s. h.**  
A study of the art and methodology of teaching English literature and

language, with special attention to the problems of such teaching in the secondary school. Not offered for credit toward the English major. Offered annually.

- 415 Guided Independent Study** **Credit (per semester) 3 s. h.**  
Tutorial studies in some topic in American or English literature. Academically strong students, whether English majors or not, will be admitted to these studies by the English faculty. Topic to be agreed upon by the instructor and the student.
- 420 Special Studies in English** **Credit 3 s. h.**  
A study in depth of some topic in American or English literature. The particular topic will be chosen by the instructor and the students in the class. Offered each semester.
- 450 Senior Comprehensive Examination** **Required**

## **FOREIGN LANGUAGES**

### **FRENCH**

Major requirements: A minimum of 24 semester hours in French beyond 201-202, normally including French 301-302, 304, 305. Six hours of a second modern language. Students planning to teach will need to include French 401, 403, and 413 in their program of study.

- 101-102 Elementary French** **Credit 6 s. h.**  
Fundamentals of grammar, composition, pronunciation, and diction. Regular use of the language laboratory is required in this course.
- 201-202 Intermediate French** **Credit 6 s. h.**  
Prerequisite: 101-102, or at least two high school units with evidence that student is prepared to enter this course. A thorough review of grammar, verb forms, composition, diction and pronunciation. Selected readings from French authors will also be studied. Students are required to use the language laboratory regularly. Upon completion of this course, students will be expected to demonstrate proficiency in the language.
- 301 Survey of French Literature I** **Credit 3 s. h.**  
Prerequisite: 201-202. A survey of the masterpieces of French literature from the Middle Ages to the end of the 18th century. Lectures and class discussions on the development of the literature and style. Collateral readings and reports. This course is normally prerequisite to all more advanced literature courses.
- 302 Survey of French Literature II** **Credit 3 s. h.**  
Prerequisite: 301 or permission. A survey of the masterpieces of French literature from the beginning of the 19th century to the present. Lectures and class discussions on the development of the literature and style. Collateral readings and reports. This course is normally prerequisite to all more advanced literature courses.
- 304 French Conversation** **Credit 3 s. h.**  
Prerequisite: 201-202. Intermediate course in conversation, conducted in French and designed to build basic, practical conversational vocabulary. Some use will be made of the language laboratory.
- 305 French History and Civilization** **Credit 3 s. h.**  
Prerequisite: 301, 302 or 304. A course designed to present the development of French culture from early times to the present day, with



emphasis on France's place in the contemporary world. Alternate years. Offered Fall, 1968.

**317 French Literature of the Seventeenth Century. Credit 3 s. h.**  
Prerequisite: 301 or permission. A study of the literature of the seventeenth century, with special emphasis on the **Grand Classiques**. Alternate years. Offered Fall, 1967.

**318 French Literature of the Eighteenth Century Credit 3 s. h.**  
Prerequisite: 301 or permission. Study of eighteenth century French literature, including the neo-classical writers, **philosophes**, and precursors of Romanticism. Alternate years. Offered Spring, 1968.

**319 French Literature of the Nineteenth Century Credit 3 s. h.**  
Prerequisite: 302 or permission. A study of representative authors and major movements of nineteenth century French literature, including Romanticism, Realism, Naturalism, and Symbolism. Alternate years. Offered Fall, 1968.

**320 Contemporary French Literature Credit 3 s. h.**  
Prerequisite: 302 or permission. A study of the major trends in French literature of the twentieth century and of authors representing each movement. Alternate years. Offered Spring, 1969.

**401 Advanced French Grammar and Composition Credit 3 s. h.**  
Prerequisite: 304. A course designed to give students a greater knowledge of French grammar than can be acquired in lower level courses. Some opportunity will be offered for free composition. Alternate years. Offered Fall, 1967.

**403 Phonetics and Oral Practice Credit 3 s. h.**  
Prerequisite: 304 or permission. A course in the pronunciation of French with ample opportunity for practice in speaking and oral reading of French. Some attention will be given to pronunciation problems likely to be encountered by the French teacher. Students will make regular use of the language laboratory. Alternate years. Offered Fall, 1968.

**413 Modern Languages in the High School Credit 3 s. h.**  
A study of methods, materials, and problems of teaching modern languages in the high school. Required of prospective teachers. This course does not count toward a major in French.

**415 Guided Independent Study Credit per semester 3 s. h.**  
Tutorial studies in some topic in French literature or language. Academically strong students, whether French majors or not, will be admitted to these studies by the French faculty. Topic to be agreed upon by the instructor and the student.

**416 Seminar Credit 3 s. h.**  
Normally open to seniors, with permission of the Department. This course will allow students to explore some aspect of French literature or civilization in more detail than is generally possible in regular courses. Depending upon the interests of the students, the seminar will concentrate on a genre, a movement, or a major writer.

## SPANISH

**101-102 Elementary Spanish Credit 6 s. h.**  
Fundamentals of grammar, composition, pronunciation, and diction. Regular use of the language laboratory is required in this course.

- 201-202 Intermediate Spanish** **Credit 6 s. h.**  
Prerequisite: 101-102 or at least two high school units with evidence that the student is prepared to enter this course. A thorough review of grammar, verb forms, composition, diction, and pronunciation, utilizing readings from Spanish authors. Upon completion of the course, students will be expected to demonstrate proficiency in the language. Students are required to use the language laboratory regularly.
- 301 Spanish History and Civilization** **Credit 3 s. h.**  
Prerequisite: 201-202. A survey of Spanish history and civilization from early times to the present day as a background for the study of Spanish literature. Parallel readings and reports are required.
- 303, 304 Spanish Composition, Conversation and Diction** **Credit 6 s. h.**  
Prerequisite: 201-202. This course is designed to build a basic practical conversational vocabulary. Emphasis on speaking, writing, reading in addition to diction. Intensive practice in composition, syntax, and interpretative reading of Spanish.
- 305, 306 Survey of Spanish Literature** **Credit 6 s. h.**  
Prerequisite: 301. The first semester covers the history of Spanish literature from earliest times to the end of the Golden Age; the second semester brings it down to the twentieth century.
- 401 Spanish Literature of the Golden Age** **Credit 3 s. h.**  
Prerequisite: 305, 306. The classic drama, Lope, Tirso, Alarcon and Calderon, poetry and prose. Analysis of texts read.
- 402 Introduction to Hispanoamerican Literature** **Credit 3 s. h.**  
Prerequisite: 305, 306. A study of the history of the Spanish-American literature from the earliest period to the present.
- 405 Generation of '98** **Credit 3 s. h.**  
Prerequisite: 305 or 306. Representative writers of the Spanish Generation of 1898; novel, poetry, drama, philosophical essay. Class readings.
- 406 Contemporary Hispanic Literature** **Credit 3 s. h.**  
Prerequisite: 305, 306. Prose and poetry of the 20th century with emphasis on the Modernistas, in Spain and Hispanoamerica.
- 408 Advanced Spanish Composition and Oral Practice** **Credit 3 s. h.**  
Prerequisite: 303. Intensive practice in composition with emphasis on interpretive reading of Spanish and use of the laboratory. Alternate years. Offered 1968.
- 409 Phonetics and History of the Spanish Language** **Credit 3 s. h.**  
A survey of the development of the Spanish language, from its origin to the present day in Spain.
- 413 Modern Language in the High School** **Credit 3 s. h.**  
Required of those who plan to teach Spanish in high school. (See French 413). This course does not count toward a major in Spanish.
- 415 Guided Independent Study** **Credit per semester 1-3 s. h.**  
Tutorial studies in some topic in Spanish literature or language. Academically strong juniors and seniors will be admitted to these studies by the Spanish faculty. Topic to be agreed upon by the instructor and the student.

Odd-numbered courses will normally be offered in the fall semester; even-

numbered courses in the spring. The 400 level courses will be offered in alternating years.

## GERMAN

- 101-102 Elementary German** **Credit 6 s. h.**  
Fundamentals of grammar, composition, phonetics, pronunciation and diction and, during the second semester, selected graded readings from representative German authors.
- 201-202 Intermediate German** **Credit 6 s. h.**  
Thorough review of grammar, verb drills, composition, diction and pronunciation and, during the second semester, selected prose readings from German authors. Open to students who have completed German 101-102 or to those who present at least two units of high school German and who show that they are sufficiently prepared to enter this course.
- 301-302 Advanced German** **Credit 6 s. h.**  
Prerequisite: 201-202. Translation of significant texts of the late eighteenth, nineteenth and twentieth centuries, and discussions in class of the development of literature, style and syntax. Collateral readings and reports are expected.
- 415 Guided Independent Study** **Credit per semester 1-3 s. h.**  
Tutorial studies in some topic in German literature or language. Academically strong juniors and seniors will be admitted to these studies by the German faculty. Topic to be agreed upon by the instructor and the student.

## LATIN

- 201-202 Intermediate Latin** **Credit 6 s. h.**  
Translation from Cicero's *Orations* and Vergil's *Aeneid*, together with advanced work in pronunciation and grammar, and use of the language laboratory. Open to students who present two units of high school Latin and who show by placement test that they are prepared to enter the course. Offered as needed.
- 301-302 Cicero's De Senectute, Selections from Ovid and Other Latin Poets and Dramatists** **Credit 6 s. h.**  
Open to students who have completed Latin 201-202 or who offer four units of high school Latin and who show by placement tests that they are prepared to enter the course. Offered as needed.
- 303-304 Latin Prose and Poetry** **Credit 6 s. h.**  
Prerequisite: 201-202, 301-302. Readings from Horace, Pliny, Plautus, Cicero's *Letters*. Consideration of social and political life in Rome at close of Republic. Offered as needed.

## GREEK

- 101-102 Elementary Greek** **Credit 6 s. h.**  
Grammar, syntax, pronunciation, and translation. During second semester, selected readings from Classical Greek and Koine. Assigned readings in English of Greek history and literature.
- 201-202 Intermediate Greek** **Credit 6 s. h.**  
Translations from Homer's *Iliad*, Xenophon's *Anabasis*, and other Classical Greek literature, and from the Gospel of John. Assigned readings in English in Greek culture and literature. Some use of language laboratory. Prerequisite: Greek 101-102 or equivalent. Offered as needed.



**203-204 Greek New Testament****Credit 6 s. h.**

The Synoptic Gospels and the Acts, and some of the Epistles. Use of language laboratory. Prerequisite: Greek 101-102 or equivalent.

**HEBREW****101-102 Introduction to Comparative Semitics****Credit 6 s. h.**

Using Hebrew and Aramaic, the languages of the Old Testament, as models, this course will serve as an introduction to the comparative study of Semitic languages, and will prepare the student to do special studies in Old Testament (Religion 410).

This course is open only by consent of the Department. Hebrew should not be taken to fulfill the basic language requirement.

**THE DIVISION OF MUSIC, ART, AND DRAMA**

Majors: Bachelor of Music in piano, organ, or voice

Bachelor of Music in Church Music

\*Bachelor of Arts with a major in music

Bachelor of Arts in Fine Arts with concentration in Art or Drama

(The specific requirements for each of these degrees are on pages 91 to 95.)

**SCHOOL OF MUSIC**

Requirements for entrance and graduation are in conformity with standards of the National Association of Schools of Music, of which the School of Music is an institutional member.

**AUDITIONS**

All applicants for the music major should plan to come to the campus for auditions during the year preceding entrance to the college. These auditions are held by the music faculty at regularly scheduled times during the school year, and audition dates may be obtained by writing to the director of the School of Music. Specific requirements for the auditions will be found under programs of study in this catalog.

**APPLIED MUSIC**

Credit in applied music is granted by examination at the end of each semester with the minimum standard of performance determined by the applied music faculty.

**RECITAL ATTENDANCE REQUIREMENTS**

Attendance at recitals and concerts sponsored or endorsed by the School of Music is considered an integral part of applied music study and will be required of all music majors as follows:

**Freshmen** will attend 90% of the scheduled School of Music programs.

**Upper classmen** will attend 80% of all scheduled School of Music programs.

The specific number of required programs will be announced at the beginning of each semester. The list will include the general student recitals and all night recitals. The dates of all programs will be posted on the bulletin board at the beginning of each semester.

Except for first semester freshmen, music majors will perform in at least one general student recital each semester.

Music majors must obtain permission from their applied teacher for all public performances not sponsored by the School of Music. This includes church, civic, music club, dance band, music contests and any other public performance.

\*The Bachelor of Arts with a major in music can lead to a Master of Arts in

teaching in cooperation with other institutions. This degree can lead also to teacher certification in four years with some summer school study.

## MUSIC THEORY

- 101-102 Theory of Music** **Credit 8 s. h.**  
A combined course including ear training, sight-singing, written and keyboard harmony. Five hours a week. Open to non-music majors with permission of instructor.
- 201-202 Advanced Theory** **Credit 8 s. h.**  
An advanced study of the work begun in 101-102. Five hours a week.
- 301 Counterpoint I** **Credit 3 s. h.**  
A practical study of the various contrapuntal methods and modes with emphasis on the 16th century style. Offered fall semester alternate years.
- 302 Counterpoint II** **Credit 3 s. h.**  
A practical study of the various contrapuntal methods of the eighteenth century. Offered spring semester alternate years.
- 303-304 Form Analysis** **Credit 6 s. h.**  
A study of musical forms beginning with the phrase and continuing through the major forms. Offered alternate years.
- 305 Conducting** **Credit 2 s. h.**  
Elementary conducting to include beat patterns, baton technique, score study and rehearsal techniques. Open to non-music majors with permission of instructor. Offered fall semester alternate years.
- 401 Orchestration** **Credit 2 s. h.**  
A study of the instruments of the band and orchestra, including the orchestration of simple music with emphasis on the demands and capabilities of high school instrumental groups, youth and civic orchestras. Offered spring semester.
- 402 Service Playing** **Credit 3 s. h.**  
The organization and performance of the church service from the organist's point of view. Special attention is given to hymn playing, modulation, simple improvisation, the accompaniment of anthems and sacred solos, and the planning of the service as a complete unit. (Prerequisite: Junior or Senior standing). Offered spring semester.
- 403 Advanced Choral Conducting** **Credit 2 s. h.**  
Rehearsal and conducting techniques in choral music from the 16th century to the present, including sacred and secular music, a cappella music and music for chorus and orchestra; presentation of stylistic and technical problems to be solved in class performances and rehearsals with college ensemble. (Prerequisite: Conducting 305). Offered spring semester alternate years.
- 404 Advanced Instrumental Conducting** **Credit 2 s. h.**  
Rehearsal and conducting techniques in instrumental music including music literature from about 1700 to the present. Literature includes music for chamber orchestra, orchestra, and band; presentation of stylistic and technical problems to be solved in class performances and rehearsals with the college ensembles. (Prerequisite: Conducting 305). Offered spring semester alternate years.

## MUSIC PEDAGOGY

- 185-186 Voice Diction** **Credit 4 s. h.**  
Phonetics and their use in pronunciation of Italian, German, and French vocal literature. Open to non-music majors with permission of instructor. Offered fall and spring semesters.
- 325 String Instruments** **Credit 2 s. h.**  
Open to non-music majors.
- 326 Woodwind Instruments** **Credit 2 s. h.**  
Open to non-music majors.
- 327 Brass Instruments** **Credit 2 s. h.**  
Open to non-music majors.

These three courses are required of music education majors and are designed to give the students an elementary working knowledge of the instruments of the orchestra and band. Class instruction is offered two hours a week, for three semesters, one semester each in strings, woodwinds, and brass.

- 413 Music in the High School** **Credit 3 s. h.**  
A study of the methods and materials of music in the junior and senior high school. See Ed. 413.
- 420 Material and Methods for Church Choirs** **Credit 3 s. h.**  
The organization and direction of the multiple choir program in the local church. Anthems, responses, and chants will be evaluated and emphasis placed on rehearsal techniques for church choirs. Open to non-music majors with permission of the instructor. Offered spring semester alternate years.
- 421-422 Piano Pedagogy** **Credit 4 s. h.**  
A study of methods and materials of pianoforte literature. Lecture one hour, practice teaching two hours. Offered alternate years, Fall 1968.
- 423 Voice Pedagogy** **Credit 2 s. h.**  
A study of methods and materials used in teaching vocal technique. Open to junior and senior voice majors, public school music majors, and church music majors whose applied music emphasis is in voice. Offered alternate years.
- 425 Organ Pedagogy** **Credit 2 s. h.**  
Required of all organ and church music majors. A general survey of the history, construction, and literature of the organ. Special emphasis is placed on registration, modern teaching materials, and the organ music of Bach. (Prerequisite: Junior or Senior standing). Offered alternate years.
- 431 Music in the Elementary School** **Credit 3 s. h.**  
A course dealing with the methods and material of music in elementary grades. Offered fall semester.
- 433 Music for Classroom Teaching** **Credit 2 s. h.**  
A study of the fundamentals of music and of the methods of teaching and developing music in the grade school, designed for elementary education majors, in accordance with the requirements of the state of North Carolina.

## MUSIC HISTORY AND LITERATURE

- 311 History of Music I** **Credit 3 s. h.**  
A survey of Greek, Medieval, and Renaissance music. Open to non-music majors with permission of the instructor. Offered fall semester.



- 312 History of Music II** **Credit 3 s. h.**  
A survey of Baroque and Classical music. Open to non-music majors with permission of the instructor. Offered spring semester.
- 313 History of Music III** **Credit 3 s. h.**  
A survey of Romantic and 20th Century music. Open to non-music majors with permission of the instructor. Offered fall semester.
- 314 Music Appreciation** **Credit 3 s. h.**  
A course designed for the non-music major with emphasis on the standard literature from the Renaissance to the present time. Lectures, recordings, reading, discussion. Offered fall and spring semesters.
- 414 Song Literature** **Credit 2 s. h.**  
A survey of the development of song literature from the Renaissance-Baroque to the modern and contemporary period with representative works and composers studied. Emphasis is placed on acquiring a broad knowledge of vocal repertoire for all voices. Attention will be given to program building, song analysis, and song classification. Open to non-music majors with permission from the instructor. Offered fall semester alternate years, Fall 1967.
- 415 Hymnology** **Credit 3 s. h.**  
A survey of hymns of the Christian Church with their music, including the earliest sources of Greek and Latin hymnody, the chorale, Psalmody, Watts and Wesley to contemporary hymnody. Evaluation and criticism of hymns from the musical, literary, and religious points of view. Open to non-music majors with permission of the instructor. Offered fall semester alternate years.
- 417 Music in Worship** **Credit 3 s. h.**  
A study of the relationship of music to the Christian service of worship and total program of the local church, including an examination of traditional liturgies and contemporary developments. Open to pre-theological and Christian Education students as well as music majors. Offered fall semester alternate years.
- 418 Choral Literature** **Credit 3 s. h.**  
A survey of choral literature from the Renaissance to the present with emphasis on acquiring a broad knowledge of choral repertoire for use by the local church choir. For music majors only. Offered spring semester alternate years.
- 440 Special Studies in Music** **Credit 1, 2 or 3 s. h.**  
Seminar or Directed Individual Study with special emphasis in one of the following areas: Music literature, music theory or music education. Open to non-music majors with permission of the instructor. Offered as an elective for superior students, alternate years and summer school.

#### APPLIED MUSIC

Applied music credit varies with each program. Applied music levels are designated as follows:

Preparatory (non-credit)	Prep.
Freshman	A 100 level
Sophomore	A 200 level
Junior	A 300 level
Senior	A 400 level
Secondary applied	S+ level

A-11 - A-12	Piano
A-21 - A-22	Organ
A-31 - A-32	Voice
B-31	Voice class for music majors who are not voice majors
C-31	Voice class for non-music majors
A-41 - A-42	Orchestra instruments
Prep.	No credit
R-400	Half recital
R-500	Full recital

Non-music majors may take applied music if instruction time is available. Credit may be granted if a course in music theory or literature is completed satisfactorily.

#### ENSEMBLES

All ensembles are open to non-music majors. The choral organizations and the Wind Ensemble (Concert Band) give a series of concerts for the college and community. (Several of these organizations make annual concert tours.) Participation in all concerts, tours, special convocations, chapel, and commencement for the choral organizations and Wind Ensemble is expected of all students enrolled in these organizations.

<b>051</b>	<b>College Choir (Touring Choir)</b>	<b>Credit 1 s. h.</b>
<b>052</b>	<b>Chapel Choir</b>	<b>Credit 1 s. h.</b>
<b>053</b>	<b>Symphonic Wind Ensemble (Band)</b>	<b>Credit 1 s. h.</b>
	<b>Vocal Ensembles</b>	<b>No credit</b>
	<b>Chamber Music Ensembles</b>	<b>No credit</b>
	<b>Pep Band</b>	<b>No credit</b>
	<b>Dance Band</b>	<b>No credit</b>

#### FINE ARTS

For the major in Fine Arts the college requires 34 semester hours of course work and competence in one foreign language. The major programs are given on page 95. The student may concentrate either in art or in drama.

#### STUDIO VISUAL ARTS

<b>200</b>	<b>Art Theory</b>	<b>Credit 3 s. h.</b>
	An introduction to Studio Visual Arts and Art History, emphasizing psychology of symbols and perception, sociology of art, form making by various artists, and the esthetic encounter in general. Fall semester.	
<b>201</b>	<b>Drawing and Composition</b>	<b>Credit 3 s. h.</b>
	An introduction to basic drawing techniques: linear perspective, interior, landscape, still life, head, and figure drawing in various media. 6 laboratory hours per week.	
<b>202</b>	<b>Advanced Drawing and Composition</b>	<b>Credit 3 s. h.</b>
	A continuation of 201 with emphasis on increasingly difficult subject matter: figure groups, complex landscapes, cityscapes, and water-scapes. Individual stylistic approaches are encouraged. (Prerequisite: Art 201.)	
<b>302</b>	<b>Sculpture</b>	<b>Credit 3 s. h.</b>
	A study of three dimensional visual art through head portraiture in modeling clay and subsequent casting procedures. 6 laboratory hours per week. Spring semester.	

- 303 Pictorial Design Credit 3 s. h.**  
A study of the elements of two dimensional design, or the "abstract means" in an isolated, non-objective approach. 6 laboratory hours per week. Fall semester. (Prerequisite: Art 201-202.)
- 321 Art in the Elementary School Credit 3 s. h.**  
A course designed to meet the needs of elementary teachers. A study of studio methods applicable to the elementary grades, and a survey of recent thinking with regard to art programs at that level. Combined lecture and laboratory. Spring semester.
- 402 Oil Painting Credit 3 s. h.**  
An introduction to the various approaches and techniques of oil painting, treating a wide variety of subject matters: still life, portrait, landscape, and figure. Spring semester. 6 laboratory hours per week.
- 403 Watercolor Painting Credit 3 s. h.**  
Exercises in the discipline of transparent watercolor, dealing with landscape, still life, portrait, figure, and purely abstract subject matter. 6 laboratory hours per week. Fall semester.
- 410 Seminar Credit 1, 2 or 3 s. h.**  
An independent project based on skills and insights gained in previous studio work. The medium or media are of the student's choice. 6 laboratory hours per week. Fall and spring semesters.

## ART HISTORY

- 250 Introduction to Art History Credit 3 s. h.**  
An esthetic, cultural, and historical study of basic art forms and styles (sculpture, painting, and architecture) from the Neolithic age to the present. (Offered only as a component of Christianity and Culture 201-202.)
- 351 Ancient Art Credit 3 s. h.**  
A survey of art from prehistory to the fall of the Roman Empire. 3 lecture hours per week. Fall semester, alternate years. Fall, 1968.
- 352 Medieval Art Credit 3 s. h.**  
A survey of art from the Early Christian to Late Gothic. 3 lecture hours per week. Spring semester, alternate years. Spring, 1969.
- 451 Renaissance and Baroque Art Credit 3 s. h.**  
A survey of art from the 14th Century in Italy through European court and religious art of the 18th Century. 3 lecture hours per week. Fall semester, alternate years. Fall, 1967.
- 452 19th and 20th Century Art Credit 3 s. h.**  
A survey of modern art from its beginning in mid-18th Century in Europe and America to the present. 3 lecture hours per week. Spring semester, alternate years. Spring, 1968.

## DRAMA COURSES

- 203 Principles of Speech Credit 3 s. h.**  
A study of voice and diction, phonetics, oral interpretation, and public speaking.



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|-----|--|-----------------------|
| 204 | <b>Acting</b>  | <b>Credit 3 s. h.</b> |
|     | A basic course that explores acting techniques through laboratory exercises, demonstrations, and public performances.  |                       |
| 301 | <b>History of the Theatre</b>  | <b>Credit 3 s. h.</b> |
|     | A study of the theatre from the Greeks to the Avant Garde with an emphasis on the development of the physical theatre.   |                       |
| 302 | <b>Literature of the Theatre</b>   | <b>Credit 3 s. h.</b> |
|     | An examination of the major forms of dramatic literature with an emphasis on continental works. (This course can be counted toward the English Major with permission of the English Department.) |                       |
| 305 | <b>Introduction to Technical Theatre</b>   | <b>Credit 3 s. h.</b> |
|     | An introduction to the areas of technical theatre; set construction, costumes, lighting, and properties. Lecture and laboratory.   |                       |
| 306 | <b>Scene Design</b>  | <b>Credit 3 s. h.</b> |
|     | A study of the techniques and principles of design. Designing for the proscenium and open stage will be considered.  |                       |
| 404 | <b>Directing</b>   | <b>Credit 3 s. h.</b> |
|     | Methods and theories of play direction are examined through lectures and experiments. Each student will produce a one-act play as a semester project.  |                       |
| 405 | <b>Advanced Acting</b>   | <b>Credit 3 s. h.</b> |
|     | Projects and performances of one-act plays and scenes from longer plays. Pre-requisite: Drama 204.   |                       |
| 410 | <b>Seminar</b>   | <b>Credit 1 s. h.</b> |
|     | Independent research projects concerning the contemporary theatre.   |                       |

## THE DIVISION OF NATURAL SCIENCE AND MATHEMATICS

The division of Natural Science and Mathematics offers departmental majors in Biology, Chemistry, and Mathematics. For students desiring less specialization, the Division has designed an interdisciplinary major in Natural Science with areas of concentration in Biology, Chemistry, Mathematics, and Chemical Physics. Students interested in secondary education, engineering, medicine, dentistry, or interdisciplinary graduate study are encouraged to consider this major.

The requirements for majors in Biology, Chemistry, and Mathematics are listed with the appropriate course offerings.

The requirement for a major in Natural Science may vary with individual student needs. Course distribution among divisional offerings will follow this general pattern:

- Six semesters in the department of concentration
- Four semesters in a second department
- Four semesters equally divided between the remaining two departments.

Students interested in a cooperative program in medical technology will take three years of the regular biology major program and complete their training at an American Medical Association approved School of Medical Technology. The St. Andrews Bachelor of Science degree will be awarded to the student who completes the three-year program at St. Andrews and the prescribed work at any approved School of Medical Technology. (St. Andrews has a special cooperative

arrangement in the medical technology program with the following schools: Bowman Gray School of Medicine, Winston-Salem, N.C.; Charlotte Memorial Hospital, Charlotte, N.C.; Duke University Medical Center, Durham, N.C.; Grady Memorial Hospital, Atlanta, Georgia; Medical College of Virginia, Richmond, Virginia; Presbyterian Hospital, Charlotte, N.C.; Rex Hospital, Raleigh, N.C.)

## BASIC SCIENCE

(These courses do not count toward a science major.)

### **201, 202 Physical Science and Biological Science** **Credit 8 s. h.**

These two courses fulfill the science requirements for the non-science major. The student may take a year course in chemistry, biology, or physics in place of one semester of basic science.

A selected number of the major concepts of the physical and biological sciences will be developed in depth. The course will be taught jointly by members of the St. Andrews science staff and eight prominent scientists who will be in residence at St. Andrews for two-week periods.

### **321 Physiography** **Credit 3 s. h.**

A course in earth science designed primarily for students planning careers in teaching. The processes of geomorphosis including the interaction of land, water, and climate and their effects on biological communities are treated. Lecture: 3 hours; field trips. Prerequisite: Biology 103-104, or Basic Science 202 and permission of the department.

### **413 Materials and Methods in the Teaching of High School Science** **Credit 3 s. h.**

This course is designed to familiarize the student with the contents and objectives of modern high school science courses and desirable methods of presentation. Prerequisite: Introductory courses in college biology, chemistry, and physics. (For those students planning to fulfill the requirements of the North Carolina State Department of Public Instruction which became effective in 1966.)

## BIOLOGY

The program for a major in biology, shown on page 96, includes 34 semester hours of work in biology courses, two years of chemistry and one of physics. It is recommended for those who plan to attend graduate school in biology, teach secondary school, or enter industry or government, and it is suitable for premedical and predental students.

Students with outstanding ability in biology may be invited by the department to participate in the Senior Honors in Introduction to Research courses.

### **103 General Biology I** **Credit 4 s. h.**

An analytical introduction to cellular biology and the basic principles of life science. Lecture: 3 hours; Laboratory: 3 hours. (Prerequisite: High School biology; chemistry and physics are recommended.)

### **104 General Biology II** **Credit 4 s. h.**

Introductory biology of organisms. (Prerequisite: Biology 103).

### **203 Ecology** **Credit 4 s. h.**

Ecological principles and interrelationships primarily among plants in North Carolina habitats. Lecture: 2 hours; Laboratory: 6 hours. (Prerequisite: A grade of C or above in Biology 103-104 or Basic Science 202 with departmental permission.)

- 204      Developmental Anatomy      Credit 4 s. h.**  
The anatomy and comparative morphogenesis of chordate animals including laboratory dissection of representative vertebrates. Lecture: 3 hours; Laboratory: 3 hours. (Prerequisite: A grade of C or above in Biology 103-104.)
- 307      Genetics and Evolution      Credit 4 s. h.**  
The principles of heredity in plants and animals and organic evolution are covered. Genetics is dealt with primarily in the laboratory. Lecture: 3 hours; Laboratory: 3 hours. (Prerequisite: Ecology 203 and Developmental Anatomy 204.)
- 308      Cell Biology      Credit 4 s. h.**  
The major aspects of cellular biology and physiology are presented. The relationship of form and function is emphasized. A portion of the laboratory work will include sterile technique in microbiology. Lecture 2 or 3 hours; Laboratory: 6 or 3 hours, depending on the nature of the material being covered. (Prerequisite: Biology 103-104 and Organic Chemistry 203-204.)
- 400      Special Studies in Biology      Credit 3 s. h.**  
Individual students or small groups will perform independent, faculty directed study or classroom study of a selected topic in the field of biology. The nature of the work will be agreed upon by the students and the instructor. (Prerequisite: Senior standing and permission of the instructor.)
- 411      Plant Kingdom      Credit 4 s. h.**  
A study of the plant kingdom with emphasis on major phyla. Extensive laboratory work stresses morphology and life cycles of representative members. Lecture: 2 hours; Laboratory: 6 hours. (Prerequisite: Biology 203.)
- 412      Parasitology      Credit 4 s. h.**  
An introduction to parasites and parasitism with special emphasis on protozoa, helminths and arthropods. Lecture: 3 hours; Laboratory: 3 hours. (Prerequisite: Developmental Anatomy 204.)
- 431-432      Senior Honors in Introduction to Research      Credit 8 s. h.**  
In the first semester the student will study experimental biological methods, research the literature in a selected field of biology and present an experimental design of a research problem. This problem will be executed in the second semester of the course, during which literature research will continue. The student will stand written and oral examinations and will present a thesis and an oral report of his findings before the science faculty and students. Conference: 1 hour; Literature and laboratory work: 16 hours. (Prerequisite: departmental invitation.)
- 452      Biology Seminar      Credit 2 s. h.**  
This course requires literature research into fields of current biological research and the presentation of the findings before the class and biology faculty. Written reports are also required. Alternately, weekly discussions on selected topics of current biological research may be held. Lecture and discussion: 1 hour. (Prerequisite: Cell Biology 308.)



- 475 Laboratory Teaching** **Credit 1 s. h.**  
 For students preparing to teach. (Does not count toward a biology major.) Student responsibilities will include training laboratory assistants and checking over equipment and supplies prior to laboratory periods and teaching in the laboratories of the Basic Biology 103-104 or the Basic Science 201-202 course. The student's work will be under the supervision of the instructor in charge. (Prerequisite: Cell Biology 308.)
- 450 Senior Comprehensive Examination** **Required**  
 A comprehensive examination, oral and written, covering all aspects of biology instruction given in the first three years of the biology major program is required of all biology majors.

## CHEMISTRY

Requirements for the Chemistry major: 33 semester hours consisting of Chemistry 101-102, 203-204, 305-306, 401, 402. The course sequence shown on page 97 is recommended. Variations suited to each student's needs can be made by consultation with the departmental chairmen.

- 101, 102 Principles of Chemistry** **Credit 8 or 9 s. h.**  
 A study of the basic concepts of physical and inorganic chemistry. Laboratory consists of one semester of open-ended research projects and one semester of quantitative analysis (gravimetric and volumetric analysis). Lecture: 3 hours; Laboratory: 6 hours for chemistry majors and others with the instructor's approval, 3 hours for other students. (Prerequisite: high school chemistry or satisfactory performance on a special examination.)
- 203, 204 Organic Chemistry** **Credit 9 s. h.**  
 Memorization is minimized by emphasizing the use of basic principles to make predictions about the reactions of organic compounds. The laboratory is devoted partly to using modern instruments and techniques to solve research-oriented projects and partly to qualitative analysis of organic compounds and mixtures. First semester, Lecture: 3 hours; Laboratory: 3 hours; Second semester, Lecture: 3 hours; Laboratory: 6 hours. (Prerequisite: Chemistry 101, 102.)
- 305, 306 Physical Chemistry** **Credit 8 s. h.**  
 A study of the states of matter, thermodynamics, statistical mechanics, electrochemistry, kinetics and introductory quantum mechanics and molecular structure. Laboratory emphasizes the solving of open-ended projects. Seminar: 2 hours; Problem working: 1 hour; Laboratory: 3 hours. Prerequisites: Chemistry 204, Mathematics 201-202 (may be taken concurrently), Physics 201-202 (may be taken concurrently in special cases.)
- 400 Special Studies in Chemistry** **Credit 3 s. h.**  
 Study in depth on selected topics in advanced chemistry. Seminar or conference: 3 hours. (Prerequisite: Chemistry 306, 401 or consent of instructor.)
- 401 Instrumental Analysis** **Credit 4 s. h.**  
 Use of advanced instrumentation in qualitative and quantitative analysis and in molecular structure determination. Lecture or seminar: 2 hours; Laboratory: 6 hours. (Prerequisite: Chemistry 306.)

- 402      Advanced Inorganic Chemistry      Credit 3 s. h.**  
Descriptive and theoretical inorganic chemistry. Lecture or seminar: 3 hours. (Prerequisite: Chemistry 306.)
- 406      Advanced Organic Chemistry      Credit 3 or 4 s. h.**  
Emphasis on topics in physical-organic chemistry. May be taken with or without laboratory. Lecture or seminar: 3 hours; Laboratory: 3 hours. (Prerequisite: Chemistry 306.)

#### **Undergraduate Research Participation**

The department is in the process of developing a research-oriented curriculum. The laboratory work in all departmental courses confronts each student with a series of open-ended projects which must be solved by creative use of library and laboratory resources. In addition, at any time after the first semester of the freshman year, a qualified student may be invited to participate in special research programs conducted by staff members.

### **MATHEMATICS**

Major requirements: A minimum of 24 hours in courses numbered 200 and above, including 201-202, 210, 305, 307 and 309. In addition 308, 310 and 421 are strongly recommended. Due to important mathematical literature in French and German, the major student who plans to do graduate work is expected to obtain a reading knowledge of at least one of these languages.

- 100      Fundamentals of Mathematics      Credit 3 s. h.**  
Basic concepts of sets, logic, and methods of proof, with a review of the properties of the number system axiomatically developed. Elementary functions, including exponential, logarithmic, circular, and inverse functions.
- 101      Introduction to Calculus      Credit 3 s. h.**  
An introduction to analytic geometry and concepts of the calculus designed to meet the needs of liberal arts and science majors in understanding differentiation of elementary functions, integration of polynomial functions, areas, curve tracing, maxima and minima, and conic sections.
- 102      Calculus II      Credit 3 s. h.**  
A continuation of Math 101, primarily for science and mathematics majors. An intensive study of functions, limits, derivatives, integrals, transcendental functions, and of their applications. (Prerequisite: Math 101 or equivalent.)
- 102P      Finite Mathematics      Credit 3 s. h.**  
Elementary mathematical concepts and their application to finite problems in the biological and social sciences, in game theory, and in linear programming. Logic, sets, probability, statistics, vectors, matrices.
- 201      Calculus III      Credit 3 s. h.**  
Methods of integration, continuity, infinite series, vectors, 3-dimensional analytic geometry, and applications of the calculus. (Prerequisite: Math 102 or advanced placement.)
- 202      Calculus IV      Credit 3 s. h.**  
Partial derivatives, multiple integrals, line and surface integrals, and differential equations. (Prerequisite: Math 201.)

- 203 Statistics** **Credit 3 s. h.**  
Theory of probability and statistics with applications including laboratory work in student's major area. (Prerequisite: Math 102 or 102P.)
- 210 Linear Algebra** **Credit 3 s. h.**  
Finite-dimensional vector spaces, linear mappings, matrices, and systems of linear equations. (Prerequisite: Permission of Department.)
- 305 Modern Geometry** **Credit 3 s. h.**  
A brief review of Euclidean geometry, fundamental point transformations of the plane, projective geometry, and non-Euclidean geometries. (Prerequisite: Permission of Department.)
- 307-308 Real Analysis** **Credit 6 s. h.**  
Real numbers, set theory, metric spaces, completeness, continuity, the derivative, the integral, sequences and series. (Prerequisite: Math 202.)
- 309-310 Algebraic Structures** **Credit 6 s. h.**  
The basic properties of abstract algebraic systems including groups, rings, and fields. (Prerequisite: Permission of Department.)
- 413 The Teaching of Mathematics** **Credit 3 s. h.**  
This course is a study of the principles and objectives of secondary mathematics, general and specific techniques, organization of content material and enrichment materials including the history of mathematics. (Prerequisite: Twenty-one semester hours of mathematics or the consent of the student's adviser.\*)
- 414 Mathematics for the Elementary School** **Credit 3 s. h.**  
Number systems, basic ideas and structure of algebra, informal geometry, and applications. Topics will be selected as they have particular relevance for the elementary school teacher.\*
- 416 Independent Study** **Credit 1-3 s. h.**  
(Prerequisite: Permission of Department.)
- 421 Complex Analysis** **Credit 3 s. h.**  
Analytic functions, integration, series, conformal mapping, boundary value problems. (Prerequisite: Math 308.)
- 422 Topology** **Credit 3 s. h.**  
Sets and functions, metric spaces, topological spaces, compactness, separation, and connectedness. (Prerequisite: Math 308.)
- 423 Number Theory** **Credit 3 s. h.**  
Elementary properties of integers, divisibility, congruences, arithmetic functions, and properties of prime numbers. (Prerequisite: Permission of Department.)
- 424 Differential Equations** **Credit 3 s. h.**  
Methods of solving ordinary differential equations, with applications (Prerequisite: Permission of Department.)

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\*These courses do not count toward the mathematics major.



## PHYSICS

- 201-202 General Physics** **Credit 8 s. h.**  
Basic concepts in the classical fields of mechanics, heat, sound, light, electricity and magnetism, including introduction to modern physics. Lecture: 3 hours; Laboratory: 3 hours (Prerequisite: Math 101, 102.)
- 203 Electronics** **Credit 3 s. h.**  
A study of the theory and practice of the basic concepts of electronics. Lecture: 2 hours; laboratory: 3 hours. (Prerequisite: Physics 202.)
- 301 Modern Physics** **Credit 3 s. h.**  
A study designed to have the student consider the principles and methods of physics as developed since 1900. Topics covered include relativity, Kinetic theory, the electron, and introduction to the quantum theory, X-rays, cosmic rays, atomic structure and nuclear physics. (Prerequisite: Physics 201-202.)
- 303-304 Research and Laboratory Problems** **Credit 4 s. h.**  
Short selected research and laboratory problems in physics for the purpose of showing correlation between the various fields of science. Laboratory problems to be covered: semiconductory theory and the solar battery, electronic speech production, elementary optical crystallography, wave behavior, oscillating circuitry design, and ferromagnetic domains. One lecture and one laboratory period per week. Either semester, or both, can be taken for credit. (Prerequisite: Physics 201-202.)

## THE DIVISION OF RELIGION AND PHILOSOPHY

Two majors are offered: Religion, and Religion and Philosophy. Students may prepare to become Associates in Christian Education by taking Christian Education 303, 304, 405, and 406 in conjunction with the major in Religion. Requirements for the major in Religion include 24 s. h. in addition to the Christianity and Culture program; for the major in Religion and Philosophy, 15 s. h. in each field. Competence in either French or German is also required.

### RELIGION

Religion 101-102 is the prerequisite for all other Religion courses, except as noted.

- 101 Survey of the Old Testament** **Credit 3 s. h.**  
A study of the major developments in the faith and life of the Hebrew people from the Exodus through the post-exilic period in the Old Testament documents. (Offered only as a component part of Christianity and Culture 101.)
- 102 Survey of the New Testament** **Credit 3 s. h.**  
A study of the faith and life of the Christian church in the New Testament documents, emphasizing the origins and growth of the Christian community. (Offered only as a component part of Christianity and Culture 102.)
- 201 Luke-Acts** **Credit 3 s. h.**  
A study of the person and work of Christ, and of the expansion of the early Church as portrayed in Luke-Acts. Where appropriate some of the letters of Paul will be studied. (No prerequisites.)

- 202 Prophets Credit 3 s. h.**  
A study of the rise of the prophetic movement in Israel with special emphasis on the teaching of Amos, Hosea, Micah, Isaiah, and Jeremiah. (No prerequisite.)
- 204 Politics and Religion in American Life Credit 3 s. h.**  
An analysis of the interaction of politics and religion in shaping the American tradition and an investigation of such contemporary issues as religion and civil rights, church-state relations, and the role of organized religion in political action. (See Politics 204. No prerequisite.)
- 301 Old Testament Theology Credit 3 s. h.**  
An intensive study of several distinctive ideas of the Old Testament such as the Covenant, The Messiah, and The Law. A study of the inter-testament period will be included in this course.
- 302 New Testament Theology Credit 3 s. h.**  
An intensive study of several distinctive ideas of the New Testament such as the Kingdom of God, The Church, and Eschatology. A study of the early beginnings of Christianity in the late and post-apostolic periods will be included.
- 401 Modern Christian Thought Credit 3 s. h.**  
A survey of the contemporary trends in Christian thought. The works of such leading 20th century theologians as Barth, Brunner, Bultmann, Niebuhr, Tillich and Bonhoeffer will be studied. The place of the "death of God" theologians will also be considered. (Open to Juniors and Seniors; offered on alternate years.)
- 402 Christian Social Ethics and Contemporary Issues Credit 3 s. h.**  
An investigation of the presuppositions of Christian faith and its applications to life. Subjects selected for study vary from year to year, being drawn from currently critical areas in Christian social ethics. Possible areas of treatment: the new morality and social conscience; work and leisure; affluence and poverty; modern social forces of urbanism, industrialism, secularism; the church and power structures; and race and the Christian conscience. (Open to Juniors and Seniors; offered on alternate years.)
- 403 American Religious Thought Credit 3 s. h.**  
An investigation of selected movements, men, and ideas that have contributed significantly to the development of American religious traditions. (Open to Juniors and Seniors; offered on alternate years.)
- 404 Non-Western Religion and Philosophy Credit 3 s. h.**  
A study of the historical and contemporary religions of the world, designed to familiarize the student with religious thought other than Christian.
- 405 Christian Perspectives on Man Credit 3 s. h.**  
An evaluation of current views of man in terms of Christian perspectives. Primary focus will be on the 20th century. The insights of contemporary Christian and non-Christian thinkers will be utilized. (Open to Juniors and Seniors; offered on alternate years.)

- 410 Special Studies in Religion** **Credit 1, 2, or 3 s. h.**  
This course provides opportunity for individuals or small classes to do intensive study or independent work in some special field of religion under faculty direction. The subjects and materials will be decided upon by the students and professor. (Prerequisite: Senior Standing.)

## CHRISTIAN EDUCATION

- 303 An Introduction to Christian Education** **Credit 3 s. h.**  
An introduction to Christian Education in general, and to the Covenant Life Curriculum in particular. The basic principles and underlying philosophy of the present curriculum of the Presbyterian Church, U. S., will be studied in detail. Emphasis is given to adult work with special attention to the current curriculum for adults. Some field work in the adult division of a local church is required.
- 304 The Christian Education of Youth** **Credit 3 s. h.**  
A study of the characteristics and problems of young people (grades 7 through 12) and the type of church program necessary to serve their needs. A study is made of the basic books and other resources available for leaders of youth. Also, special attention is given to the current Covenant Life Curriculum for youth. Some field work in a youth group in a local church is required.
- 405 The Christian Education of Children** **Credit 3 s. h.**  
A study of the characteristics and problems of preschool and elementary children. Special consideration is given to the type of church program necessary to serve their needs. A study is made of the basic books and other resources available for leaders of children. Also, special attention is given to the current Covenant Life Curriculum for children. Some field work in a children's group in a local church is required.
- 406 The Program of Christian Education in the Local Church** **Credit 3 s. h.**  
A study of the total program of education in a local church with special emphasis on leadership education, administration and practical problems of organization. A study of the plan, "The Worship and Work of the Congregation", and of the relationship of the local church to the various boards and agencies of the church is made. Some field work of an appropriate nature, as available, is required.
- 408 Early Childhood Development** **Credit 3 s. h.**  
A study of the development needs and readiness of early childhood with particular emphasis on the four and five year old and his physical, mental, emotional and social growth. Guided experiences with children and a case study of one child is expected. Credit may be applied toward kindergarten certification for those who hold elementary certification. (Also see Education 408.)
- 409 Early Childhood Education** **Credit 3 s. h.**  
A study of the organization, administration, standards, equipment, program, and parent-teacher relationships of the kindergarten. Attention will be given to the organization and curriculum of a state-approved program, both public and non-public supported. Field work in a week-



day kindergarten is required. Credit may be applied toward kindergarten certification for those who hold elementary certification. (Also see Education 409.)

## PHILOSOPHY

Philosophy 201 is the prerequisite for all other courses in Philosophy except as noted.

- 201 Introduction to Philosophy** **Credit 3 s. h.**  
An introduction to philosophy through selected readings representing Western thought in the context of Greek, Hellenistic, Medieval, and modern European cultures. (Offered only as a component of Christianity and Culture 101-102, 201-202.)
- 203 Ethics** **Credit 3 s. h.**  
A study of the major alternatives confronting man today in developing a view of right and wrong, good and evil; and a critical examination of the norms and criteria on which moral judgments are made and implemented. (Offered alternate years. No prerequisite.)
- 205 Logic** **Credit 3 s. h.**  
This course includes an examination of classical formal logic and modern symbolic logic. (Offered alternate years. No prerequisites.)
- 301-302 History of Philosophy** **Credit 6 s. h.**  
An intensive study of the major thinkers and movements in Western philosophy, concentrating upon the integrity of each philosophy, its antecedents in the past, and its implications for the future. The first semester includes the ancient and medieval periods, and the second semester the modern period. (Offered alternate years.)
- 304 Philosophy of Religion** **Credit 3 s. h.**  
An examination of the nature of religion, its relation to other areas of thought and experience, and its primary expressions in belief, worship, and conduct. Among the topics included are the sources of religious knowledge, the existence and activities of God, religious language and symbolism, religious psychology, faith, freedom, community, and immortality. (Offered alternate years.)
- 306 Esthetics** **Credit 3 s. h.**  
An analysis of the principles of criticism as applied to the visual arts, music, and literature. (Offered alternate years.)
- 401, 402 Contemporary Philosophy** **Credit 6 s. h.**  
An examination of the perennial problems of philosophy in the light of contemporary solutions. The course will consider the approach of logical analysis, existentialism and other movements to such problems as the nature of truth, moral values, science, religion, epistemology, self-hood, freedom, and social experience. (Offered alternate years.)
- 410 Special Studies in Philosophy** **Credit 1, 2, or 3 s. h.**  
This course provides opportunity for individuals or small classes to do intensive study or independent work in some special field of philosophy under faculty direction. The subject and materials will be decided upon by the students and professor. (Prerequisite: Senior Standing.)

## PROGRAMS OF STUDY

In this section of the catalog, a number of specific academic programs are described in detail, indicating the courses to be taken during each of the four years. This should prove helpful both to students interested in such information and to faculty advisers in planning the work of their advisees from year to year.





## THE DIVISION OF BEHAVIORAL SCIENCES ELEMENTARY EDUCATION PROGRAM

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity and Culture 101-102	12	Christianity and Culture 201-202	12
Mathematics 101-102P	6	Basic Science 201-202	8
History 201-202	6	Politics 201; American Literature	6
Concentration Elective	6	Health and P. E. 401-402 or	
Physical Education 101-102	2	Concentration Elective	6
	—	Physical Education 201-202	2
	32		—
			34
<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Education 312; 315	6	Education 408 or Psychology 303	3
Education 319; 412	6	Music 314; 433	5
Education 320; 414	6	Art 321	3
Basic Science 321 and		Education 400	3
Geography 301 or		Concentration or Other	
Concentration Elective	6	Requirements	12
	—		—
	30		29

Note: A concentration of a minimum of 12 s. h. is to be completed above the major requirements in one of the following: English; French or Spanish; Mathematics; Biology or Chemistry.

Student teaching normally will be completed in the summer between the junior and senior years. This course credit (Education 420—6 s. h.) will be in addition to the basic degree requirements.

## PSYCHOLOGY MAJOR

The purpose of the major in Psychology is to provide a student with the necessary tools and understanding either for pursuit of graduate work or for a terminal degree program. It is a broadly based program to acquaint students with the wide range of psychology without over-specialization in any one area. Electives are provided at intervals to permit students to pursue areas of interests in psychology as a preparation for graduate study or work in allied fields. Certain students may be selected to participate in the honors program for credit above the major requirement to pursue significant areas of reading and research and as an adjunct to further work in psychology in graduate school. The honors program will help the student sharpen and focus his research abilities in an area of his own interests. It is expected that a student majoring in Psychology will have a knowledge of one foreign language.

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity & Culture 101-102	12	Christianity & Culture 201-202	12
Elective	6	Basic Science 201-202	8
Foreign Language 201-202	6	Math 203	3
Mathematics 101-102P	6	Psychology 201-202	7
Physical Education 101-102	2	Elective	3
	—	Physical Education 201-202	2
	32		—
			35



<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Christianity & Culture 301-302	6	Christianity & Culture 400	3
Psychology 303	3	Psychology 401	3
Psychology 320	3	Psychology 411	3
Psychology Electives	3	Psychology Electives	6
Free Electives	15	Free Electives	15
	—		—
	30		30

## PHYSICAL EDUCATION

The Department of Physical Education does not offer a major program, but does offer courses that can be taken to qualify a student to coach or to teach as a minor subject. (In N. C. one may teach in a minor area 50% of the time.)

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity and Culture 101-102	12	Christianity and Culture 201-202	12
Elective	6	Basic Science 201-202	8
Mathematics 101-102P	6	Electives	3 or 6
Foreign Language 201-202	6	Physical Education 201-202	2
Physical Education 101-102	2	Physical Education 205	3
	—	Major	3 or 6
	32		—
			34

<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Major	12 or 15	Major	6-9
Education	9	Education	6
Physical Education 304	3	Physical Education 401 or 204	3
Physical Education 307	3	Physical Education 402 or 305	3
	—	Physical Education 403	3
	33-36	Electives	6-3
			—
			30

## THE DIVISION OF HISTORY AND SOCIAL SCIENCE BUSINESS ADMINISTRATION

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity and Culture 101-102	12	Christianity and Culture 201-202	12
Mathematics 101, 102 or 102P	6	Basic Science 201-202	8
Economics 207-208	6	Economics 303, 304 or 306	6
*Electives	6	Business Education 305	3
Physical Education 101-102	2	Math 203	3
	—	Physical Education 201-202	2
	32		—
			34
<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Business Administration 309-310	6	Business Administration 317 or 408	3
Business Administration 312, 315	6	Business Administration 414	3
**Electives	12	Business Administration Elective	3
	—	**Electives	18
	30		—
			30

\*Business Administration 200 recommended.

\*\*All elective courses will be chosen in consultation with the program advisor.

## ECONOMICS MAJOR

<b>Freshman</b>		<b>s. h.</b>	<b>Sophomore</b>		<b>s. h.</b>
Christianity and Culture 101-102	12		Christianity and Culture 201-202	12	
**Foreign Language 201-202	6		Basic Science 201-202	8	
Electives	6		Economics 207-208	6	
Mathematics 101, 102 or 102P	6		Mathematics 203	3	
Physical Education 101-102	2		*Political Science 201	3	
	—		Physical Education 201-202	2	
	32			—	
				34	
<b>Junior</b>		<b>s. h.</b>	<b>Senior</b>		<b>s. h.</b>
Christianity and Culture 301-302	6		Christianity and Culture 400	3	
**Business Administration 309-310	6		*Business Administration 312	3	
***Economics 301	3		*Business Administration 317	3	
Economics 303	3		***Economics 306	3	
Economics 304	3		Economics Elective	3	
*Psychology 200 or 201	3		***Economics 406	3	
Electives	6		Economics 414	3	
	—		Electives	9	
	30			—	
				30	

\*These courses are not required but strongly recommended.

\*\*The economics major may choose the foreign language or accounting.

\*\*\*Recommended economics elective.

## HISTORY MAJOR

<b>Freshman</b>		<b>s. h.</b>	<b>Sophomore</b>		<b>s. h.</b>
Christianity and Culture 101-102	12		Christianity and Culture 201-202	12	
Electives	6		Basic Science 201-202	8	
Foreign Language 201-202	6		History 201-202	6	
Mathematics 101, 102, or 102P	6		*Political Science 201	3	
Physical Education 101-102	2		*Sociology 201	3	
	—		Physical Education 201-202	2	
	32			—	
				34	
<b>Junior</b>		<b>s. h.</b>	<b>Senior</b>		<b>s. h.</b>
Christianity and Culture 301-302	6		Christianity and Culture 400	3	
History 300 Courses	12		History 422	3	
Elective Courses	12		*History 407	3	
	—		*History 408	3	
	30		Elective Courses	18	
				—	
				30	

\*Recommended elective.

The program for the major in History requires 24 semester hours of course work in History, including History 201-202 and History 422, in addition to the Christianity and Culture curriculum.

The pattern of all elective courses will be determined in consultation with the program adviser.

The courses in History for the junior year should be chosen from the 300-sequence and should include studies in both American and European History.

## POLITICS MAJOR

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity and Culture 201-20	12	Christianity and Culture 201-202	12
***Electives	6	Basic Science 201-202	8
*Foreign Language 201-202	6	Political Science 201	3
Mathematics 101, 102, or 102P	6	Physical Education 201-202	2
Physical Education 101-102	2	***Electives	9
	—		—
	32		34
<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Political Science 311-312	6	Political Science 321-322	6
Political Science 301-302	6	Political Science 422	3
**History	6	***Elective Courses	18
Elective Courses	6		—
	—		30
	30		

\*French or German.

\*\*History 301-302, 407-408, or 411-412.

\*\*\*The pattern of all elective courses will be determined in consultation with the program adviser.

The major in Politics requires 24 semester hours in Political Science courses, including Political Science 201, 311-312, and 422 and six semester hours in History courses selected from History 301-302, 407-408, and 411-412. The student is advised to take additional courses in Sociology, Psychology, Economics, and History, to be determined in conference with his major program adviser.

This major is recommended for students wishing a pre-legal program.

## SOCIAL STUDIES MAJOR

### For Secondary Teachers

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity and Culture 101-102	12	Christianity and Culture 201-202	12
Electives	6	Basic Science 201-202	8
Foreign Language 201-202	6	History 201-202	6
Mathematics 101, 102 or 102P	6	Political Science 201	3
Physical Education 101-102	2	Sociology 201	3
	—	Physical Education 201-202	2
	32		—
			34
<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Psychology 303	3	History 422	3
Economics 207-208	6	History Elective	3
Education 312	3	Social Studies Elective	3
Geography 301	3	Education 315	3
History 407-408	6	Education 400	3
History 413	3	Elective	12
	—		—
	30		30

The schedule for the junior year will permit the addition of two elective courses, if desired. The pattern of all elective courses will be determined in consultation with the program adviser. Student teaching (Education 420) will usually be completed in the summer. See education listings for details.



## THE DIVISION OF LANGUAGE AND LITERATURE

### MAJOR IN ENGLISH

The English major is intended to provide a concentration in humane learning that is an end in itself. It prepares students for entry into graduate studies in English and also for admission to professional studies in law, social services, and divinity. When the necessary sciences are also studied, it prepares students for admission to schools of medicine and dentistry. Many governmental and business agencies desire English majors for training for executive and other particular vocations. In the event a student elects the prescribed courses, an English major leads to teacher certification.

English majors are encouraged to choose elective studies from the fine arts, from religion and philosophy and other humanities areas, and from history and the social sciences. All electives will be chosen in consultation with the major adviser.

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity and Culture 101-102	12	Christianity and Culture 201-202	12
Foreign Language 201-202	6	English 201-202 (or electives)	6
Mathematics 101, 102 or 102P	6	Science	8
Physical Education 101-102	2	Electives	6
Electives (or English 201, 202)	6	Physical Education 201-202	2
	<hr/>		<hr/>
	32		34
 <b>Junior</b>	 <b>s. h.</b>	 <b>Senior</b>	 <b>s. h.</b>
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Major (students working for teacher certification must take English 303 in their junior year)	15-12	Major	9-15
Electives	9-12	Electives	12-18
	<hr/>		<hr/>
	30		30

### MAJOR IN FRENCH

The language major in French is designed to give the student competence in one modern language other than just his native tongue. The language major prepares the student for graduate study in his particular field, and for entry into various other professional and vocational studies. Language majors enjoy career opportunities in various fields of business and government. When the student elects the necessary courses, a language major prepares him for teacher certification.

French majors are encouraged to choose elective studies from English and the fine arts, from other humanities areas, and from history and the social sciences. All electives will be chosen in consultation with the major adviser.

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity and Culture 101-102	12	Christianity and Culture 201-202	12
Electives	6	Second language 101-102*	6
French 201-202	6	Major*	6
Mathematics 101, 102 or 102P	6	Science	8
Physical Education 101-102	2	Physical Education 201-202	2
	<hr/>		<hr/>
	32		34

<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Second language (recommended)		Major	6-12
201-202	6	Electives	21-15
Major	12		<hr/>
Electives	6		30
	<hr/>		
	30		

\*Students who have not yet chosen the language major will be unlikely to take these courses in the sophomore year; however, language majors should begin their major work as early as possible.

## THE DIVISION OF MUSIC, ART, AND DRAMA

The Division of Music, Art, and Drama offers the following degrees: Bachelor of Arts in Fine Arts, Bachelor of Arts in Music, Bachelor of Music with a major in Piano, Organ, Voice, and Church Music. (The specific requirements for each of these degrees are listed below.)

### BACHELOR OF MUSIC IN PIANO

**Entrance Requirements:** Major and minor scales and arpeggi, two octaves fluently; first movement of a classical sonata—Haydn, Mozart, or Beethoven (Beethoven, Opus 27, No. 2 not permitted); J. S. Bach, either two Inventions or Sinfonias, or a Prelude and Fugue from WTC, Vol. I or II, or the Allemande from any one of the six French Suites. The performance, from memory, of at least two compositions of contrasting styles, an ear training and theory evaluation; sight reading.

Students who plan to enter graduate school should elect French or German.

	<b>s. h.</b>			<b>s. h.</b>	
<b>Freshman</b>	<b>I</b>	<b>II</b>	<b>Sophomore</b>	<b>I</b>	<b>II</b>
Christianity and Culture 101-102	6	6	Christianity and Culture 201-202	6	6
Music Theory 101-102	4	4	Music Theory 201-202	4	4
Piano	3	3	Piano	3	3
Optional elective with permission of advisor	1-3	1-3	Optional elective with permission of advisor	1-3	1-3
Ensemble	1	1	Ensemble	1	1
Physical Education	1	1	Physical Education	1	1
	<hr/>	<hr/>		<hr/>	<hr/>
	16-18	16-18		16-18	16-18
	<b>s. h.</b>			<b>s. h.</b>	
<b>Junior</b>	<b>I</b>	<b>II</b>	<b>Senior</b>	<b>I</b>	<b>II</b>
Music History 311-312	3	3	Music History 313	3	
Form Analysis 303-304 or Counterpoint 302-302*	3	3	Form Analysis 303-304 or Counterpoint 301-302*	3	3
Piano	4	4	Orchestration 401		2
Conducting 305*	2		Piano	4	4
Advanced Conducting 406 or 407		2	Recital		2
Elective	3	3	Piano Pedagogy 421-422	2	2
Ensemble	1	1	Elective	3	3
	<hr/>	<hr/>	Ensemble	1	1
	16	16		<hr/>	<hr/>
				16	17

\*Offered alternate years

## BACHELOR OF MUSIC IN ORGAN

**Entrance Requirements:** The performance from memory of at least two compositions of contrasting style; an ear-training and theory evaluation; sight reading on either the organ or piano or both; and a piano audition for the organ major comparable to that for the piano major.

Students who plan to enter graduate school should elect French or German.

	s. h.	
Freshman	I	II
Christianity and Culture 101-102	6	6
Music Theory 101-102	4	4
Organ	3	3
Optional elective with permission of advisor	1-3	1 3
Ensemble	1	1
Physical Education	1	1
	<hr/> 16-18	<hr/> 16-18
	s. h.	

	I	II
Junior		
Music History 311-312	3	3
Form Analysis 303-304 or Counterpoint 301-302*	3	3
Organ	4	4
Conducting 305	2	
Advanced Conducting 406 or 407*		2
Elective	3	3
Ensemble	1	1
	<hr/> 16	<hr/> 16

	s. h.	
Sophomore	I	II
Christianity and Culture 201-202	6	6
Music Theory 201-202	4	4
Organ	3	3
Optional elective with permission of advisor	1-3	1-3
Ensemble	1	1
Physical Education	1	1
	<hr/> 16-18	<hr/> 16-18
	s. h.	

	I	II
Senior		
Music History 313	3	
Form Analysis 303-304 or Counterpoint 301-302	3	3
Orchestration 401		2
Organ	4	4
Recital		2
Service Playing 402	3	
Organ Pedagogy 425*		2
Elective	3	3
Ensemble	1	1
	<hr/> 17	<hr/> 17

\*Offered alternate years

## BACHELOR OF MUSIC IN VOICE

**Entrance Requirements:** The performance of at least three songs or arias of contrasting style from memory; an ear training and theory evaluation; sight-reading.

Students are required to take French and German.

	s. h.	
Freshman	I	II
Christianity and Culture 101-102	6	6
Music Theory 101-102	4	4
Voice	2	2
Piano	1	1
Diction 185-186	2	2
Ensemble	1	1
Physical Education	1	1
	<hr/> 17	<hr/> 17

	s. h.	
Sophomore	I	II
Christianity and Culture 201-202	6	6
Music Theory 201-202	4	4
Voice	3	3
Piano	1	1
Ensemble	1	1
Physical Education	1	1
	<hr/> 16	<hr/> 16



	s. h.	
<b>Junior</b>	I	II
Music History 311-312	3	3
Form Analysis 303-304 or Counterpoint 301-302*	3	3
Voice	3	3
Conducting 305	2	
Advanced Choral Conducting 406*		2
French or German 101-102	3	3
Acting 204		3
Ensemble	1	1
	<hr/>	<hr/>
	15	18

	s. h.	
<b>Senior</b>	I	II
Music History 313	3	
Form Analysis 303-304 Counterpoint 301-302*	3	3
Voice	3	2
Recital		2
Voice Pedagogy 423		2
Song Literature 414		2
French or German 101-102	3	3
Elective	3	
Ensemble	1	1
	<hr/>	<hr/>
	16	15

\*Offered alternate years

## BACHELOR OF MUSIC IN CHURCH MUSIC

**Entrance Requirements:** The performance of at least two contrasting compositions on the organ from memory, or the performance of at least three contrasting songs or arias of contrasting style from memory; an ear training and theory evaluation; sightreading.

Students who plan to enter graduate school should elect French or German.

	s. h.	
<b>Freshman</b>	I	II
Christianity and Culture 101-102	6	6
Music Theory 101-102	4	4
Applied Music (voice or organ)	2	2
Applied Music (voice or organ)	1	1
Optional elective with permission of advisor	1-3	1-3
Ensemble	1	1
Physical Education	1	1
	<hr/>	<hr/>
	16-18	16-18

	I	II
<b>Sophomore</b>		
Christianity and Culture 201-202	6	6
Music Theory 201-202	4	4
Applied Major	2	2
Applied Minor	1	1
Optional elective with permission of advisor	1-3	1-3
Ensemble	1	1
Physical Education	1	1
	<hr/>	<hr/>
	16-18	16-18

	s. h.	
<b>Junior</b>	I	II
Music History 311-312	3	3
Form Analysis 303-304 or Counterpoint 301-302*	3	3
Applied Major	3	3
Applied Minor	1	1
Conducting 305	2	
Advanced Choral Conducting 406*		2
Hymnology 415 or Music in Worship 417*	3	
Church Choir Methods 420 or Choral Literature 418*		3
Ensemble	1	1
	<hr/>	<hr/>
	16	16

	I	II
<b>Senior</b>		
Music History 313	3	
Form Analysis 303-304 or Counterpoint 301-302*	3	3
Orchestration 401		2
Applied Major	3	3
Recital		2
Service Playing 402*	3	
Voice Pedagogy 423 (voice emphasis only)*		2
Organ Pedagogy 425 (organ emphasis only)		2
Hymnology 415 or Music in Worship 417*	3	
Church Choir Methods 420 or Choral Literature 418*		3
Ensemble	1	1
	<hr/>	<hr/>
	16	18

\*Offered alternate years

## BACHELOR OF ARTS IN MUSIC

This degree is designed for the student desiring a broader approach to the study of music and is not necessarily a performance degree. It is designed also for students interested in graduate study leading to the M. A. degree in music; students interested in a musical vocation other than a solo concert career or church music; and students interested in teacher certification or Master of Arts in teaching program. A senior recital is not required in the degree, but may be elected with the permission of the major applied instructor and the advisor.

**Entrance Requirements:** The performance of at least two contrasting compositions from memory; a theory and ear training evaluation; sightreading.

Performance requirements for each year will be determined by the applied music faculty.

<b>Freshman</b>	<b>I</b>	<b>II</b>	<b>Sophomore</b>	<b>I</b>	<b>II</b>
Christianity and Culture 101-102	6	6	Christianity and Culture 201-202	6	6
Music Theory 101-102	4	4	Basic Science 201-202	4	4
Applied Music	2	2	Music Theory 201-202	4	4
Mathematics 101-102P	3	3	Applied Music	2	2
Ensemble	1	1	Ensemble	1	1
Physical Education	1	1	Physical Education	1	1
	<hr/>	<hr/>		<hr/>	<hr/>
	17	17		18	18
<b>Junior</b>	<b>I</b>	<b>II</b>	<b>Senior</b>	<b>I</b>	<b>II</b>
Christianity and Culture 301-302	3	3	Music History 313	3	
Music History 311	3		Christianity and Culture 400		3
Music History 312		3	Counterpoint 301-302 or Form 303-304***	3	3
Form Analysis 303-304 or Counterpoint 301-302***	3	3	Orchestration 401		2
Applied Music	2	2	Applied Music	2	2
Conducting 305***	2		Elective*	3	3
Division or Humanities Elective	3	3	Elective	3	
Elective		3	Optional Elective***	1-3	1-3
Ensemble	1	1	Ensemble	1	1
	<hr/>	<hr/>		<hr/>	<hr/>
	17	18		16-18	15-17

\*Students interested in graduate study should elect either French or German and complete the intermediate or a more advanced course.

\*\*Students may elect additional applied study and/or recital or other courses with permission of the applied instructor and the advisor.

\*\*\*Offered alternate years.

## FINE ARTS MAJOR IN ART

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity and Culture 101-102	12	Christianity and Culture 201-202	12
Foreign Language 201-202	6	Basic Science 201-202	8
Art 200	3	Art 201-202	6
Math. 101-102P	6	Electives	6
Physical Education 101-102	2	Physical Education 201-202	2
Electives	3		—
	—		34
	32		
<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Music 314	3	Art 402-403	6
Art 302	3	Art 451	3
Drama Electives	6	Art 410	1
Art 352	3	Electives	15
Electives	9		—
	—		28
	30		

## FINE ARTS MAJOR IN DRAMA

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity and Culture 101-102	12	Christianity and Culture 201-202	12
Foreign Language 201-202	6	Basic Science 201-202	8
Electives	6	Drama 203-204	6
Mathematics 101-102P	6	Physical Education 201-202	2
Physical Education 101-102	2	Electives	3
	—		—
	32		31
<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Drama 301-302	6	Drama 404	3
Drama 305-306	6	Drama 410	1
Art 201-202	6	Music 314	3
Electives	6	Electives	21
	—		—
	30		31



## THE DIVISION OF NATURAL SCIENCE AND MATHEMATICS

The Division of Natural Science and Mathematics offers the Bachelor of Arts Degree with majors in Biology, Chemistry, Mathematics and Natural Science. The Major in Biology is designed to meet the needs of those planning to go to graduate school, for Premedical and Predental students who wish a biology major and for those who wish to take a Master of Arts degree in teaching. The Bachelor of Science degree is given to students who take the Medical Technology program at St. Andrews and complete their work at an American Medical Association approved school. The degree of Bachelor of Arts is awarded students completing a major in Natural Science with a concentration in Biology, Chemistry, Mathematics or Chemical Physics. This major is a flexible one designed to meet the varying needs of students preparing for careers in medicine, dentistry, engineering, secondary teaching, biochemistry, biophysics and chemical physics.

The foreign language requirement for science majors will be fulfilled with the satisfactory translation of four major foreign articles in the field. If the student has not taken at least two years of the language in high school, then foreign language 101-102 must be taken first. In the chemistry major and chemistry concentration the language will be either French or German. All exceptions are subject to the approval of the division.

### MAJOR IN BIOLOGY

Freshman	s. h.	Sophomore	s. h.
Biology 103-104	8	Biology 203 Ecology	4
Chemistry 101-102	8	Biology 204 Developmental Anatomy	4
Mathematics 101, 102P or 102	6	Chemistry 203-204 Organic	9
Elective	6	Elective	3
Physical Education 101-102	2	Christianity and Culture 101-102	12
	—	Physical Education 201-202	2
	30		—
			34
Junior	s. h.	Senior	s. h.
Biology 307 Genetics & Evolution	4	Advanced Biology or Senior Honors	
Biology 308 Cell Biology	4	in Introduction to Research 431-432	8
Physics 201-202 General	8	Christianity and Culture 301-302	6
Christianity and Culture 201-202	12	Christianity and Culture 400	3
Electives	6	Biology 450, Senior Comprehensive	
	—	Examination	R
	34	Biology Seminar 452	2
		Electives	9
			—
			28

## MAJOR IN CHEMISTRY

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Chemistry 101-102	9	Chemistry 203-204 Organic	9
Mathematics 101-102 or 201-202 (Calculus)	6	Physics 201-202	8
German 101-102	6	Christianity and Culture 201-202	12
Christianity and Culture 101-102	12	Physical Education 201-202	2
Physical Education 101-102	2		—
	—		31
	35		
<hr/>			
<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Chemistry 305-306, Physical	8	Chemistry 401, Instrumental Analysis	4
Mathematics; 201-202, Calculus	6	Chemistry 402, Advanced Inorganic	3
Electives	9	Biology 103-104 (recommended)	8
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Physics 203-Electronics	3	Electives	12
	—		—
	32		30

## MAJOR IN MATHEMATICS

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Christianity and Culture 101-102	12	Christianity and Culture 201-202	12
Mathematics 101-102	6	Mathematics 201, 202, Calculus	6
Foreign Language	6	Physics 201-202, General or approved science	8
Electives	6	Math 210 Linear Algebra	3
Physical Education 101-102	2	Physical Education 201-202	2
	—		—
	32		31
<hr/>			
<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Christianity and Culture 301-302	6	Christianity and Culture 400	3
Math 305, Modern Geometry	3	Math Electives	6
Math 307, Real Analysis	3	Electives: Math, Foreign Language, Science, Philosophy, Psychology, Sociology, Economics or other approved electives	22-24
Math 309, Algebraic Structures	3		—
Electives: Mathematics, Foreign Language, Science or Philosophy, Sociology, Economics or other approved electives	12-14		31-33
Math: Elective	3		
	—		
	30-32		

## MAJOR IN NATURAL SCIENCE

This major consists of a minimum of six semesters in one department, four semesters in a second department and two semesters in each of the remaining two departments in addition to the required basic liberal studies. The specific courses will be selected to best fit the needs of the individual students.

Students desiring certification for secondary education should substitute the courses listed below for electives in the junior and senior year. (See Education section for further details.)

<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Psychology 303	3	Education 400	3
Education 312	3	Education 315	3
Basic Science 413	3		

## MAJOR IN NATURAL SCIENCE—BIOLOGY CONCENTRATION

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Biology 103-104	8	Biology 203	4
Chemistry 101-102	8	Biology 204	4
Mathematics 101, 102 or 102P	6	Chemistry 203-204	9
Language	6	Christianity and Culture 101-102	12
Physical Education	2	Physical Education 201-202	2
	—	Elective	3
	30		—
			34

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<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Biology 307	4	Christianity and Culture 301-302	6
Biology 308	4	Christianity and Culture 400	3
Physics 201-202	8	Electives	17
Christianity and Culture 201-202	12		—
Electives	6		26
	—		
	34		

## MAJOR IN NATURAL SCIENCE—CHEMISTRY CONCENTRATION

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Chemistry 101-102	9	Chemistry 203-204	9
Mathematics 101-102 or (201-202)	6	Physics 201-202	8
German 101-102	6	Christianity and Culture 201-202	12
Christianity and Culture 101-102	12	Physical Education 201-202	2
Physical Education 101-102	2		—
	—		31
	35		
<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Biology 103-104	8	Biology 203	4
Christianity and Culture 301-302	6	Biology 204	4
Chemistry 305	4	Chemistry 401	4
Electives	12	Christianity and Culture 400	3
	—	Electives	13
	30		—
			28



## MAJOR IN NATURAL SCIENCE—CHEMICAL PHYSICS CONCENTRATION

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Chemistry 101-102	9	Physics 201-202	8
Mathematics 101-102 (or 201-202)	6	Mathematics 201-202	6
German 101-102	6	Christianity and Culture 201-202	12
Christianity and Culture 101-102	12	Physical Education 201-202	2
Physical Education 101-102	2	Electives	3
—	—	—	—
	35		31
<b>Junior</b>	<b>s. h.</b>	<b>Senior</b>	<b>s. h.</b>
Chemistry 305-306	8	Chemistry 401	4
Physics 203	3	Chemistry 402	3
Christianity and Culture 301-302	6	Physics Elective	6
Mathematics Electives	6	Christianity and Culture 400	3
Elective	6	Biology 103-104 (recommended)	8
—	—	Elective	5
	29	—	—
			29

Other combinations for major in Natural Science may be designed to accommodate the needs of individual students.

## THREE-YEAR COOPERATIVE MEDICAL TECHNOLOGY PROGRAM

<b>Freshman</b>	<b>s. h.</b>	<b>Sophomore</b>	<b>s. h.</b>
Biology 103-104	8	Biology 203 Ecology	4
Chemistry 101-102	8	Biology 204 Developmental Anatomy	4
Mathematics 101, 102P or 102	6	Chemistry 202-203 Organic	9
Electives	6	Elective	3
Physical Education 101-102	2	Christianity and Culture 101-102	12
—	—	Physical Education 201-202	2
	30	—	—
			34
<b>Junior</b>	<b>s. h.</b>		
Biology 307 Genetics and Evolution	4		
Biology 308 Cell Biology	4		
Physics 201-202 General	8		
Christianity and Culture 201-202	12		
—	—		
	28		

(Note the foreign language requirement for biology majors listed under Division of Natural Science and Mathematics heading.)

## THE DIVISION OF RELIGION AND PHILOSOPHY

### RELIGION AND PHILOSOPHY

Regular requirements for the B.A. degree (which include the four-year Christianity and Culture Program) and the following:

15 semester hours in Religion

15 semester hours in Philosophy

Language requirement: Intermediate level of French or German. Pre-ministerial students should also take Greek.

### RELIGION

Regular requirements for the B.A. degree (which include the four-year Christianity and Culture Program) and the following:

24 semester hours in Religion, exclusive of Religion 101-102.

Language requirement: Intermediate level of French or German. Pre-ministerial students should also take Greek.

Students may prepare to become Associates in Christian Education by taking Christian Education 303, 304, 405, and 406 in conjunction with the major in Religion.

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B.A., University of California; M.M., Boston University
- Helen Rogers, Professor of Music Theory and Acting Division Chairman  
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Ph.D., Indiana University
- W. D. White, Professor of English and Division Chairman\*  
B.A., Baylor University; M.A., Princeton University  
Ph.D., University of Texas

†Part Time

\*On leave of absence 1967-68

## VISITING PROFESSORS IN THE SCIENCE PROGRAM\*\*

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B.S., Swarthmore College; Ph.D., University of California, Berkeley

William T. Ham, Jr., Professor of Biophysics, Medical College of Virginia

B.S., M.S., Ph.D., University of Virginia

Allen L. King, Professor of Physics, Dartmouth College

B.A., M.A., Ph.D., University of Rochester

Richard J. Kokes, Associate Professor of Chemistry, Johns Hopkins University

B.S., Villanova College; Ph.D., Cornell University

J. Franklin McCormick, Associate Professor of Botany, University of North Carolina, Chapel Hill

B.S., Butler University; M.S., Ph.D., Emory University

Alfred Novak, Professor of Biology, Stephens College, Missouri

B.S., M.S., University of Chicago; Ph.D., Michigan State University

Ralph T. Overman, Scientific Consultant (Chemistry-Physics)

B.A., M.S., Kansas State College of Pittsburg; Ph.D., Louisiana State University

Calvin VanderWerf, President, Hope College (Chemistry)

B.A., Hope College; M.S., Ph.D., The Ohio State University

\*\*Under a grant from the Danforth Foundation each of these distinguished scientists will spend two weeks in residence at St. Andrews during 1967-68.

## ASSOCIATE PROFESSORS

William M. Alexander, Associate Professor of Philosophy and Religion

A.B., Davidson College; S.T.M., Harvard Divinity School

Th.D., Princeton Theological Seminary

W. Forrest Altman, Associate Professor of English

B.A., Earlham College; M.A., University of Pittsburgh

Ph.D., Florida State University

Margaret Bowen, Associate Professor of Religion and Christian Education

B.A., Mary Baldwin College; M.A., Columbia University

C. Allen Burris, Associate Professor of History

B.A., Wake Forest College; M.A., Ph.D., Duke University

Julian Crowell, Associate Professor of Mathematics and Physics

B.S., University of Tennessee; M.S., Ph.D., Vanderbilt University

J. Rodney Fulcher, Associate Professor of History

B.A., Duke University; M.A., Ph.D., Princeton University

Carl W. Geffert, Associate Professor of German

B.A., University of Virginia; M.A., University of California

Robert K. Gustafson, Associate Professor of Religion

B.A., University of California at Los Angeles

B.D., Th.M., Th.D., Union Theological Seminary in Virginia

Rufus R. Hackney, Jr., Associate Professor of Physical Education, Director of Physical Education and Varsity Athletics

B.A., M.A., University of North Carolina, Chapel Hill

Richard J. Lietz, College Librarian

B.A., Oglethorpe University; M.Ed., University of North Carolina, Chapel Hill

M.S.L.S., Florida State University

- Leta W. McIntyre, Associate Professor of Business Education  
B.S., Winthrop College; M.Ed., Woman's College of the University of North Carolina
- David A. McLean, Associate Professor of Anthropology  
B.A., Davidson College; B.D., Union Theological Seminary in Virginia  
M.A., University of Witwatersrand
- Dady Mehta, Associate Professor of Piano  
Bachelor Piano Performance, Ecole Normale de Musique, Paris  
Master Piano Performance, State Academy of Music, Vienna
- Robert A. Pedigo, Associate Professor of Biology  
B.S., Butler University; M.S., Ph.D., Emory University
- Alvin H. Smith, Associate Professor of Psychology and Division Chairman  
B.A., M.Ed., Ph.D., University of Missouri
- Gentry W. Wade, Associate Professor of Business and Economics  
B.S., Oregon State College; M.A., New York University
- A. Frederick West, Associate Professor of Biology  
B.A., Marietta College; M.S., Ph.D., Purdue University
- J. Franklin West, Associate Professor of Music; Director, St. Andrews School of Music; and Division Chairman\*  
B.A., University of North Carolina, Chapel Hill  
M.M., Indiana University; Peabody Conservatory of Music, 1967-68
- John E. Williams, Associate Professor of Organ  
B.M., Oberlin Conservatory of Music; M.M., University of Michigan
- Jerry M. Williamson, Associate Professor of English  
B.A., Middle Tennessee State University; M.A., Ph.D., Florida State University

## ASSISTANT PROFESSORS

- Stanley Baran, Jr., Assistant Professor of Science Education and Coordinator of Audio-Visual Services  
B.S., M.Ed., University of Chattanooga; Appalachian State Teachers College, 1966-67
- Donald G. Barnes, Assistant Professor of Chemistry and Physics  
B.A., College of Wooster; Ph.D., Florida State University
- Karen K. Barnes, Assistant Professor of French and Chemistry  
B.A., College of Wooster; Ph.D., Florida State University
- Ethel Bateman, Assistant Professor of Physical Education  
B.A., Winthrop College; M.A., Columbia University
- Spencer S. Boyd, Assistant Professor of Physical Education  
B.S., North Georgia College; M.A., University of North Carolina, Chapel Hill  
George Peabody College, 1966-67
- Joyce M. Bryant, Assistant Professor of Music Education  
B.S. in Ed., Ohio University; M.M.Ed., Florida State University
- Emily B. Cameron, Assistant Professor of Education  
B.A., Converse College; M.A., Western Carolina College
- John I. Dahl, Assistant Professor of Art  
B.A., M.F.A., University of Minnesota
- Malcolm C. Doubles, Assistant Professor of Religion  
B.A., Davidson College; B.D., Union Theological Seminary in Virginia  
Ph.D., St. Andrews University, Scotland
- Walter E. Eggers, Jr., Assistant Professor of English  
B.A., Duke University; University of Hull  
University of North Carolina, Chapel Hill, 1965-67

\*On leave of absence 1967-68

Jean S. Elliott, Assistant Professor of Education

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B.A., Duke University; M.S.S., Smith College

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Ph.D., University of North Carolina, Chapel Hill

William R. Goodman, Jr., Assistant Professor of Religion

B.A., Washington & Lee University; B.D., Union Theological Seminary in Virginia

University of Edinburgh, Scotland 1958-59; Duke University, 1965-67

Helen Gustafson, Assistant Professor of Mathematics

B.A., Flora Macdonald College; M.R.E., Duke University

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B.A., Valdosta State College; M.A., University of North Carolina, Chapel Hill

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B.A., University of North Carolina, Chapel Hill; B.D., Duke University

The Sorbonne, University of Paris, 1946-47

Elaine H. Johnson, Assistant Professor of French and Spanish†

B.A., Bryn Mawr; M.A., University of North Carolina, Chapel Hill

The Sorbonne, University of Paris 1946-47

Kenneth S. Jones, Assistant Professor of Economics

B.A., M.A., University of Houston

Charles W. Joyner, Assistant Professor of History

B.A., Presbyterian College of South Carolina; M.A., University of South Carolina

Thomas W. Lott, Assistant Professor of Spanish

B.A., William Carey College; M.A., Instituto Tecnologica, Monterrey, Mexico

San Francisco State College, 1962-63

Luther Spencer Ludlow, Jr., Assistant Professor of Philosophy

B.A., Mercer University; B.D., Union Theological Seminary in New York

Duke University, 1960-62

Arthur M. McDonald, Assistant Professor of Speech and Drama\*

B.A., University of Georgia; M.A., University of North Carolina, Chapel Hill

University of Indiana, 1967-68

Catharine E. Neylans, Assistant Professor of French

B.A., Wesleyan College; M.A., Ph.D., University of North Carolina at Chapel Hill

Richard C. Prust, Assistant Professor of Philosophy

B.A., University of Wisconsin; B.D., Yale University; Ph.D., Duke University

Marion J. Rogers, Assistant Professor of Music and Acting Director, St.

Andrews School of Music

B.M.Ed., Oklahoma State University; M.M., University of Michigan

Sidney Siegal, Assistant Professor of Art

Chicago Academy of Fine Arts, 1942-44; University of Illinois, 1946-67

Roosevelt University, 1947-50; Art Institute of Chicago, 1951-52

David G. Singleton, Assistant Professor of Mathematics

B.S., Purdue University; M.A.T., Duke University

Samuel B. Skinner, Assistant Professor of Physics\*

B.S., Clemson College; M.A., University of North Carolina, Chapel Hill

University of Oregon, 1967-68

Thomas C. Somerville, Assistant Professor of Church Music

B.A., University of Dubuque; M.M., University of Southern California at Los Angeles

†Part Time

\*On leave of absence 1967-68



Rosario Urso, Assistant Professor of Mathematics

B.S., University of Tampa; M.S., Florida State University

M.Ed., University of North Carolina at Chapel Hill

David E. Wetmore, Assistant Professor of Chemistry

B.A., Park College; M.A., University of Kansas; Ph.D., Texas A & M University

Jo Ann Williams, Assistant Professor of Physical Education

B.A., High Point College; M.Ed., University of North Carolina, Chapel Hill

William Winn, Assistant Professor of Religion

B.A., University of Richmond; B.D., Colgate Rochester Divinity School

University of Edinburgh, 1955-57

Christine Balogh, Visiting Lecturer in Art

B.F.A., Academy of Fine Art, Budapest

Master of Applied Art, Academy of Fine Art, Vienna

## INSTRUCTORS

Linda H. Boyd, Instructor in Mathematics

B.S., M.Ed., University of Georgia

Phillip C. Clarke, Instructor in Piano

B.M., M.M., Peabody Conservatory of Music

Charles W. Gidney, Instructor in Romance Languages

B.A., M.A., University of North Carolina, Chapel Hill

University of Lyon, 1964-65

R. Gerald Griffin, Instructor in Physical Education

B.S., M.Ed., University of North Carolina, Chapel Hill

John E. Hill, Instructor in Politics

B.A., Eastern Baptist College; University of Denver, 1964-67

Kenneth P. Kramer, Instructor in English

B.A., Temple University; B.D., Andover-Newton

S.T.M., Yale University

W. Jerome McGee, Instructor in Physical Education

B.S., Northwestern State College; M.S., University of Tennessee

David B. McIlhiney, Instructor in Anthropology

B.A., Harvard University; B.D., Union Theological Seminary in New York

Columbia University, 1964-65

W. D. Narramore, Jr., Instructor in Speech and Drama

B.A., Austin College; M.F.A., University of Texas

Virginia P. Somerville, Instructor in Voice†

B.A., University of Dubuque; M.M., Roosevelt University

Lester S. Whitley, Instructor in Biology

B.A., Atlantic Christian College; M.S., North Carolina State University

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†Part time.

\*On leave of absence 1967-68.

# APPENDIX

## SCHOLARSHIPS, LOAN FUNDS, FOUNDATIONS

### Honor Awards

In addition to the endowed scholarships listed below, St. Andrews Presbyterian College will offer special annual scholarships using funds which are donated by generous individuals for this use.

There are four types:

- Vardell Scholarships (nine)
- Salutatorian Scholarships
- Valedictorian Scholarships
- Presidential Scholarships (twelve)

Below are listed a number of donors and funds for scholarship purposes.

### SCHOLARSHIPS

The Albemarle, Granville Kings

Mountain, Orange and Wilmington

Presbytery Scholarships

Alumnae Class of 1945

Alumnae Class of 1950

Alumnae Class of 1953

The W. M. Baker Scholarship

The W. H. Belk Memorial Fund

The Edward Earl Bell Memorial

The Anne White Blue Scholarship

The John Blue Scholarship

The Mrs. J. F. Blue Memorial Scholarship

The James Boyd Memorial Scholarship

The James P. Brawley Music Scholarship

The Rowland A. Brown Scholarship

The W. C. Brown Scholarship

The Andrew Bryson Fund

The Nancy Boyle Caballero Music  
Scholarship

The Paul Lindsay Cashion, Jr.  
Memorial Fund

The Fred C. Cashwell Memorial Fund  
Class of 1957 of Flora Macdonald College

The Faculty Scholarship Fund

The Emily Faucette Cooper Scholarship

The James Cowan, Sr. Memorial Fund

The Georgine Gregg Danby Scholarship

The James Dinwiddie Scholarship

The William Drake Scholarship

The Elise Memorial Fund

The Lilly Bitting Farish Chair of Business  
Administration

The Warren Ficklen Memorial Fund

The Frank Fisler Memorial Fund

The N. N. Fleming Scholarship

Flora Macdonald Class of 1961

The Alma Greene Frye Scholarship Fund

The S. H. Fulton Scholarship

The C. M. Gibbs Scholarship Fund

Gillespie (E. E.) Scholarship Fund

The Elizabeth Monroe Taylor Gilmour  
Memorial Scholarship

The Margaret Fraser Gluck Scholarship

The Ella and Anna Graham Fund

The Mr and Mrs. Ernest Graham, Sr  
Scholarship

The Kate Fields Grannis Scholarship

The Margaret Smith Griffin Scholarship

The Price H. Gwynn, Jr. Scholarship

The Sheriff John Wesley Hall Scholarship

The Sallie McCall Hamer and Robert  
Pickett Hamer Scholarship

The Margaret McKinnon Hawley Me-  
morial Scholarship

The Mildred Johnston Hay Scholarship

The Jane Flow Henderson Memorial  
Scholarship

The Joseph Eli Henderson Memorial  
Scholarship

The John L. and Janie J. Henry Memo-  
rial Fund

The Martha A. Holt Scholarship

The Andrew J. Howell Memorial Fund

The Franklin L. Hyndman Memorial  
Scholarship

The Walter James Memorial Fund

The Lacy John, Jr. Memorial Fund

The John Knox Fellowship Scholarship  
Fund

The Minnie Melvin Johnson Memorial  
Scholarship

The Paul Guthrie Jones Scholarship

The Mary McNair Jones Chair of Bible  
and Religious Education

The Emma Lillian Kergerian Scholarship

The Mary Burwell Lacy Scholarship

The George Anderson Little Memorial  
Fund

The Katherine Livingston Memorial  
Scholarship

The Mary Patterson Livingston Memorial  
Scholarship

The Mattie Livingston Memorial  
Scholarship

The Ed S. Lytch Scholarship

The John D. Malloy Scholarship

The Mebane Presbyterian Church  
Scholarship

The Pilot Mills Scholarship

The B. F. and Bettie L. Montague  
Scholarship

- The Evelyn Sellers Morgan Memorial Fund  
 The McKinnon Morgan Scholarship  
 Mark Morgan Scholarship  
 The James E. Morrison, Jr. Memorial Fund  
 The Kings Mtn. Presbytery Scholarship.  
 The Colin Shaw McArthur Memorial Fund  
 The Dr. David McBryde Scholarship  
 The Hattie McBryde Memorial Scholarship No. 1  
 The Hattie McBryde Scholarship No. 2  
 The Ryan McBryde Memorial  
 The Daniel Archibald McCormick Scholarship  
 The Bessie McNeill McEachern Memorial Scholarship  
 The Eliza I. McFarland Scholarship  
 The Margaret Morgan McGuire Scholarship  
 The Evelyn Stafford McKay and Daniel John McKay Memorial Fund  
 The George Carmichael McKay Memorial Fund  
 D. P. McKinnon Scholarship  
 The John W. McLaughlin Scholarship  
 Ed and Roy McLaurin Memorial Scholarship  
 Mildred McLaurin McLean Memorial Scholarship  
 The Anstress McLean Memorial Scholarship Fund  
 The A. H. McLeod, Sr. Scholarship  
 The Andrew Calhoun McLeod Scholarship  
 The Flora McLean McLeod Memorial Scholarship  
 The Mary Stewart McLeod Gift  
 J. L. McMillan Scholarship  
 The James L. McNair Scholarship  
 The Ellen McNeill Scholarship  
 The Ellen McNeill Scholarship Fund  
 The Laurin McQueen Scholarship  
 The William and Ida Carmichael McQueen Scholarship  
 National Merit Scholarships  
 The Garland C. Norris Co. Scholarship  
 The Edward M. O'Herron Scholarship  
 The Orange Presbyterial Scholarship Fund  
 The Florence Amelia Burnett Pace Memorial Fund  
 The Sallie McNair Pate Scholarship  
 Currie and Patterson Memorial Fund  
 The Rosa Withers Patterson and William S. Patterson Scholarships  
 The Elizabeth Bellamy Peele Scholarship  
 The Lawrence Peterson Memorial Fund  
 Evelyn Butler Phillips Memorial Scholarship Fund  
 Fannie Bullock Pullen Memorial Scholarship  
 The Benjamin Douglas Purcell Memorial Fund  
 The Raleigh High School Scholarships  
 The Annie Ray Memorial  
 Reidsville First Presbyterian Church Scholarship  
 The Margaret Rhodes Scholarship  
 The Elsie Robertson Art Scholarship  
 The St. Andrews Society Scholarship No. 1.  
 The St. Andrews Society Scholarship No. 2  
 St. Cecilia Music Club Scholarship Fund  
 The Jessie Schoellkoff Scholarship  
 The Order of Scottish Clans Scholarship  
 Dr. William Graham Shaw and Mrs. Mary Colley Shaw Memorial Fund  
 The Duncan J. Sinclair Memorial Fund  
 The Sinnott Scholarship Fund  
 The June J. Spencer Scholarship  
 The Pauline Judson Stamps Memorial Scholarship  
 The Thomas Stamps Memorial Scholarship  
 The Lucy Steele Memorial Scholarship No. 1  
 The Lucy Steele Memorial Scholarship No. 2  
 The Lucy Steele North Carolina Scholarship  
 The Mr. and Mrs. J. D. Stewart Scholarship  
 The Leroy Stradler Scholarship Fund  
 The Synodical Chair of Bible Endowment Fund  
 Harry H. Tittsworth Scholarship Fund  
 The Edward Townsend Memorial Fund  
 The Katherine Allen Vardell Scholarship  
 The Charles G. Vardell Education Fund  
 The Jane Dickson Bell Vardell Scholarship  
 The Linda Vardell Music Scholarship  
 The Rosetta Richardson Vick Scholarship  
 The Thomas Stamps and Alonza L. Walker Scholarships  
 The Leo and Ella Wallace Scholarships  
 The A. H. White Memorial Fund  
 The J. Harvey White Memorial Scholarship  
 The Mary Gale Carter White Scholarship  
 The J. P. Wiggins Memorial Fund  
 George M. Wilcox Memorial Bible Endowment  
 The Jessie Candler Willard Fund  
 The Marion Stokes Williamson Work-Grant Fund  
 The Wilmington Presbyterial Scholarship Fund  
 The Osteen-Woodson Scholarship  
 The Bettie Vaiden Wright Scholarship  
 The Elizabeth Youngue Scholarship Fund

## LOAN FUNDS

The Jennie E. Alexander Student  
Loan Fund

The Andrews Bryson Loan Fund

The Darius Flinchum Loan Fund

The Masonic Loan Fund

The James L. McNair Loan Fund

The John F. McNair Loan Fund

The John Robert Sloan Memorial  
Loan Fund

The Norman A. Smyth Loan Fund

The Julia M. Stewart Memorial  
Fund

The J. D. Swinson Loan Fund

All loans listed above bear 4% interest.

**The National Defense Student Loan Program.** The National Defense Education Act, passed by the Senate and the House in August, 1958, and signed into law by President Eisenhower on September 2, authorizes more than one billion dollars in Federal aid to education.

Title II of this act provides for loans to worthy and needy students in institutions of higher education. Assistance is in the form of loans that bear no interest until repayment begins, and the borrower is not required to begin repayment until he has been out of school for 9 months. Up to \$1,000 a year for five years may be borrowed under the conditions of this act.

Special consideration is given to current students, and incoming freshmen, with superior academic backgrounds who plan to become elementary or secondary school teachers, or to students whose academic background indicates a superior capacity for, or preparation in, science, mathematics, engineering, or a modern foreign language. The loan fund is also "reasonably available" to all students who meet the eligibility requirements.

**The Pickett and Hatcher Educational Fund** grants loans to students who are accepted by the Board of Trustees of the Fund. Loans bear interest at the rate of 2% per annum during the time the student remains in college. Four months after leaving college, the rate changes to 4% per annum.

**The Stanback Student Loan Fund** is to be used to aid worthy and promising students who could not otherwise meet their college expenses. Loans from this fund are to be secured by promissory notes bearing interest at the rate of 3% per annum. These notes are to be repaid within a reasonable time after the recipient has completed his formal education.

**State Loans for Prospective Teachers:** These are available from the N. C. Department of Public Instruction. Applicants may gain additional details by writing the Department.

**"Guaranteed Loans"—Higher Education Act of 1965:** These loans are, generally speaking, available to all students. Families with an adjusted income of more than \$15,000 per year pay the entire interest, approximately 6% on the loan. The family with an adjusted income of less than \$15,000 pays no interest while the student is in college and approximately 3% interest after the student leaves college.



## FOUNDATIONS

**The Julia Bridges Ashley Memorial Foundation.** Established by H. Bascom Ashley, Jr., in memory of his mother.

**The N. T. Atkins Estate**

**The Birthday Loyalty Fund.** Established by the Alumnae in honor of Dr. Charles G. Vardell for college endowment.

**The W. Stanley Davis Bequest** to be used for educational purposes.

**The Mrs. Margaret J. Denny Bequest** to be used for educational purposes.

**The David Fairley Chair.** Established by Elder Neil S. Blue in honor and memory of his pastor, Rev. David Fairley, D.D. The interest to be applied to the Chair of Chemistry and Physics.

**The Grantham Memorial.** Established by Emma Grantham Willis, Hiram and Reid Grantham in loving memory of their parents, Mr. and Mrs. Hiram Grantham. Mrs. Grantham was an alumna of the college, and Mr. Grantham was for many years an honored trustee.

**H. G. Hill Memorial Foundation.** Established in memory of the late Rev. H. G. Hill, D.D., by his friends, especially those in the congregations of the Maxton and Centre Presbyterian Churches. The interest to be applied to the Latin Chair.

**James A. Macdonald Professorship.** Established by the late Dr. James A. Macdonald of Toronto, Canada, to be applied to the Chair of History.

**The Sarah Craig McLeod Bequest** to be used "for religious, charitable and educational purposes." This bequest was made in memory of her beloved husband, Walter McLeod.

**The Kate Bitting Reynolds Bequest** for the Christian training of young women at St. Andrews Presbyterian College.

**Mrs. J. Henry Smith Chair of Bible.** Endowed by Mrs. Lunsford Richardson in honor of her mother.

**The Watts Foundation.** Established by Mr. George W. Watts, of Durham.

**The White Chair of Biology.** Endowed by J. Harvey White, William Elliot White, and Mrs. Mary White Carlton, in honor of their parents, James Wilson and Emma Holt White.

**The Synodical Auxiliary White Cross Infirmary Endowment.** Given by Synodical of North Carolina.

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**ST. ANDREWS**

**PRESBYTERIAN COLLEGE**

Laurinburg, North Carolina 28352

Ansley C. Moore, President